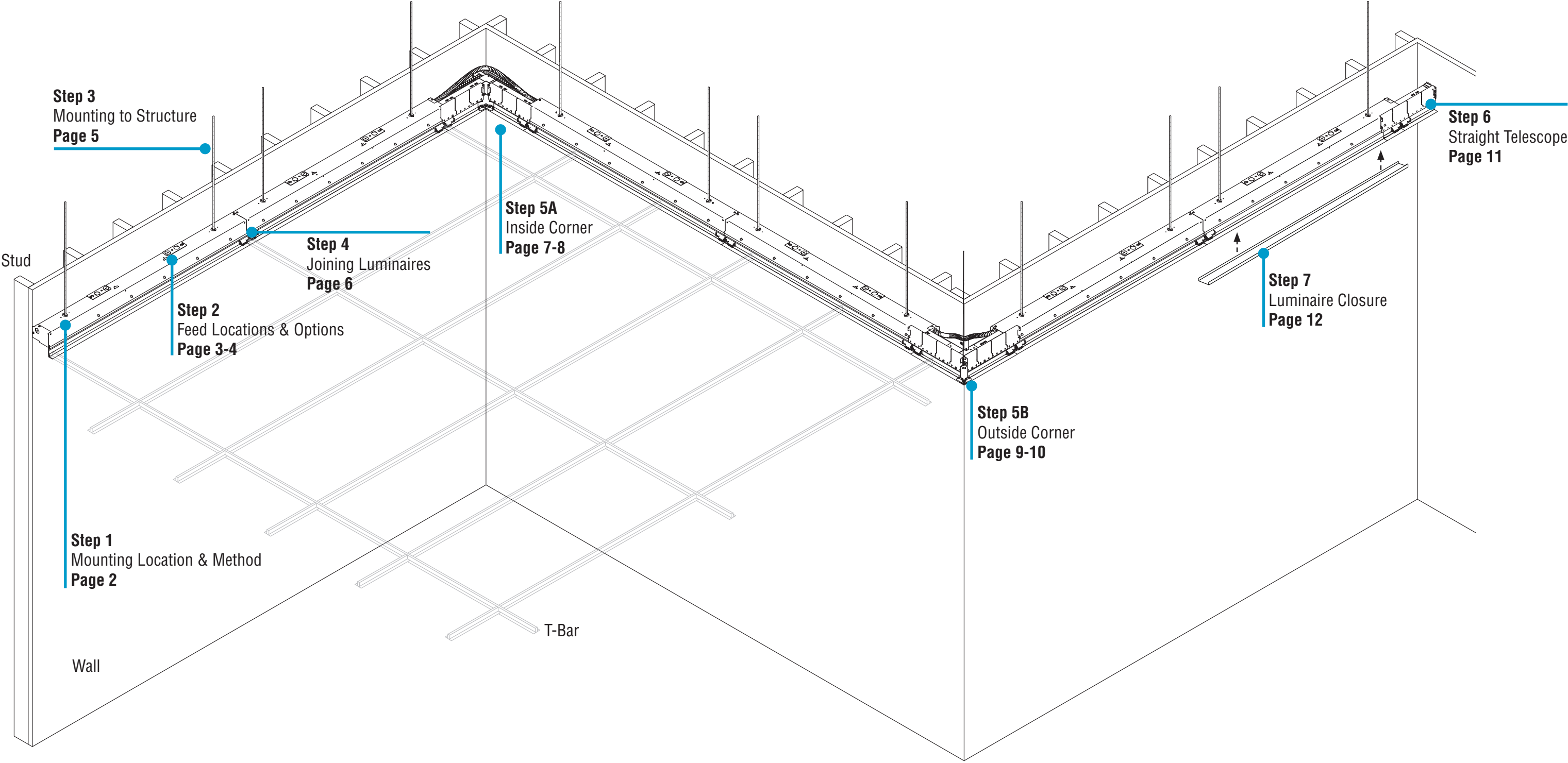


HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Overview Shown in 2'x4' ceiling



Helpful Video



0-10V Dimming

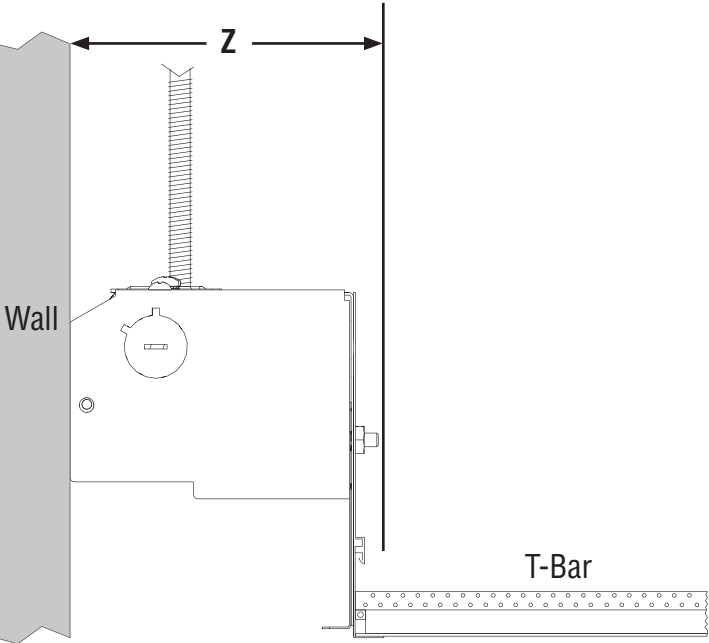
Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • (510) 441-1100 • Fax: (510) 441-1510 • www.finelite.com

This is a hypothetical build to show the capabilities of this luminaire family and mount type. Your build may vary. **Note:** All power connections to be installed to local/national codes by a Certified Electrician.

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 1 - Mounting Location & Method

1. Create Rough In Side View



Luminaire	4" Width	6" Width
2", 4" & 6" Depth	Z = 4-1/2"	Z = 6-1/2"

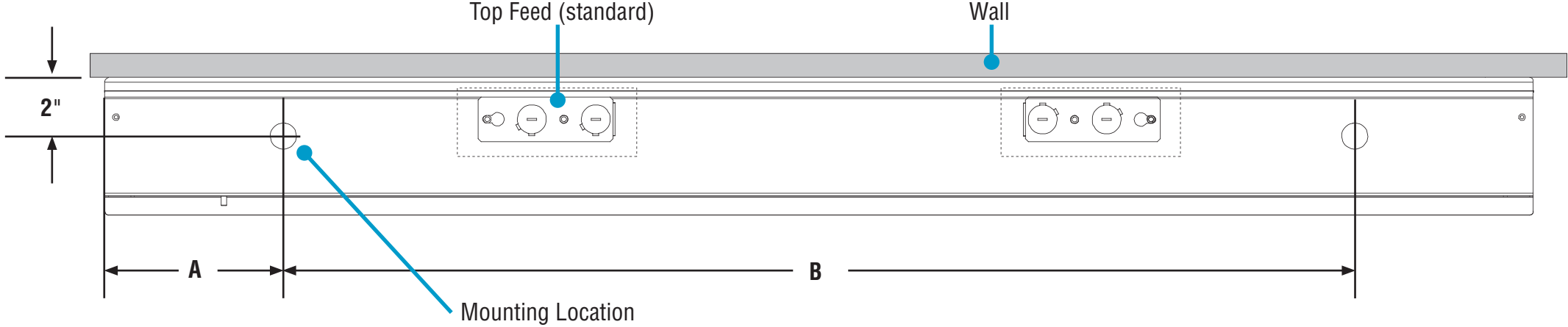
Endcap Information:

The **Wall-to-Wall Endcap** adds 1/8" per endcap to the section length.

The **Pocket Slot Endcap** adds 1-1/4" for Spackle Flange and 1" for T-Bar per endcap to the section length.

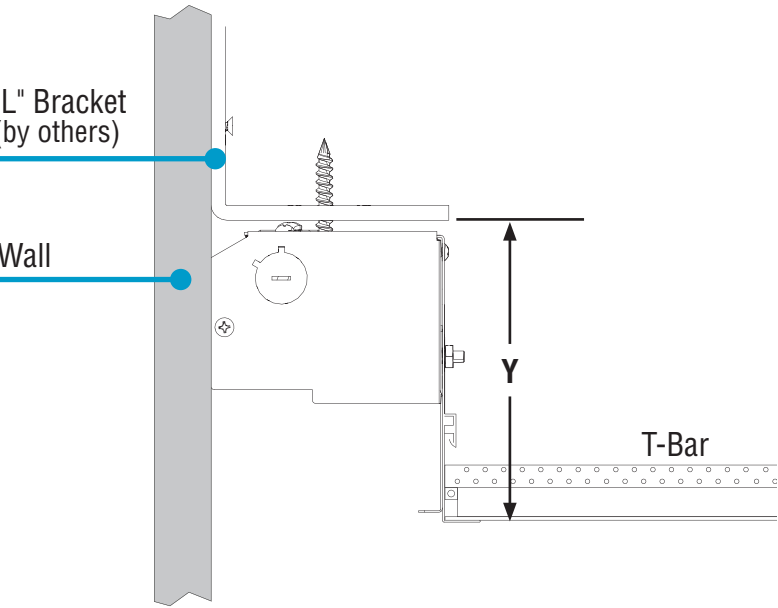
- The **Telescoping Endcap** adds:
- A minimum of 2" to a 2' section
 - A minimum of 1" to a 3' section
 - A minimum of 1" to 4' and 8' sections

2. 1/4"-20 Threaded Rod Locations Top View



Luminaire Length	A (in)	B (in)
2'	3	18
3'	3	30
4'	6	36
8'	6	84

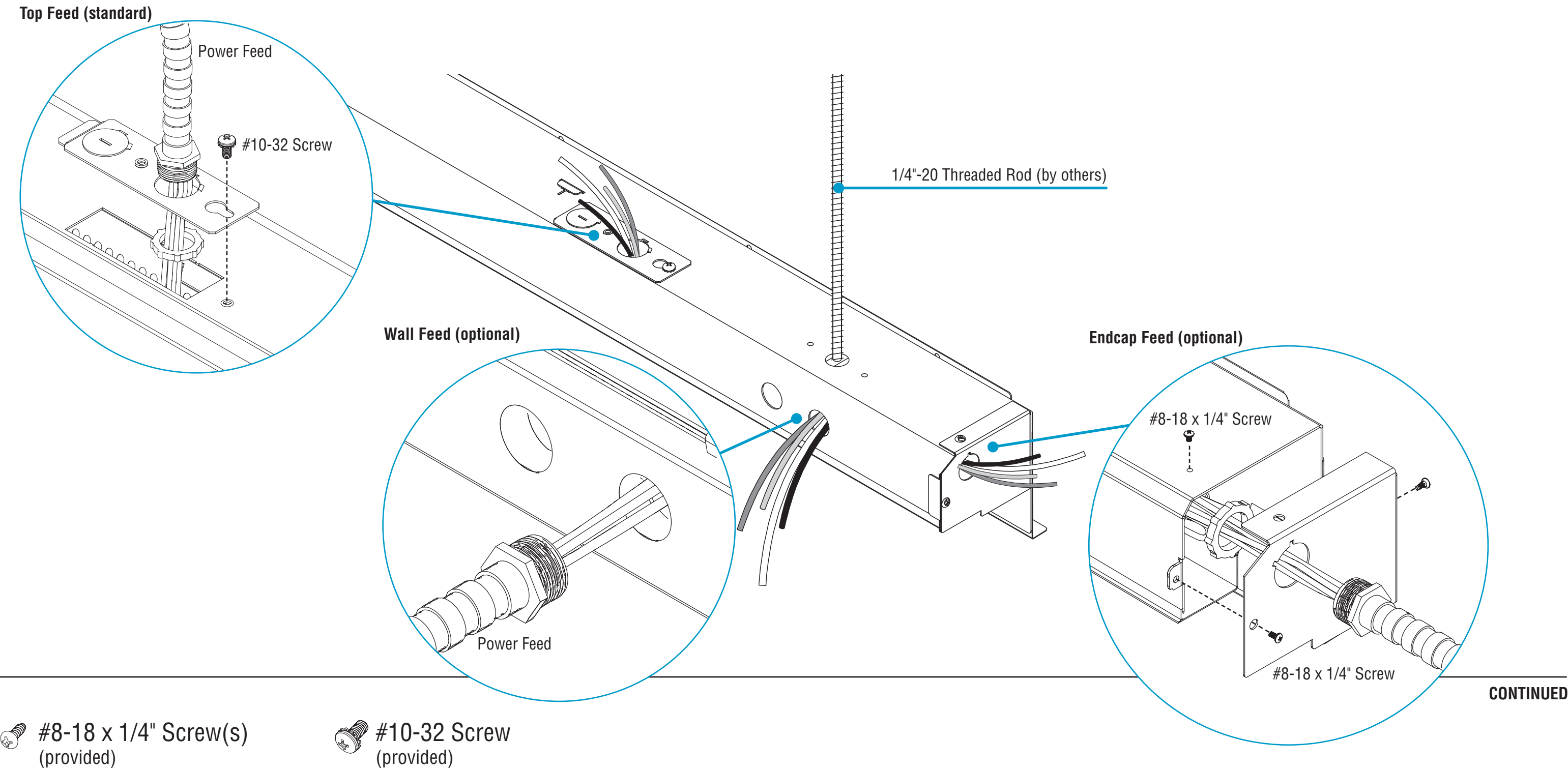
Alternative "L" Bracket Mounting (by others)



Luminaire	4" Width	6" Width
2" Depth	Y = 5-1/8"	Y = 6-1/8"
4" Depth	Y = 7-1/8"	Y = 7-1/8"
6" Depth	Y = 9-1/8"	Y = 9-1/8"

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 2 - Feed Locations & Options



CONTINUED

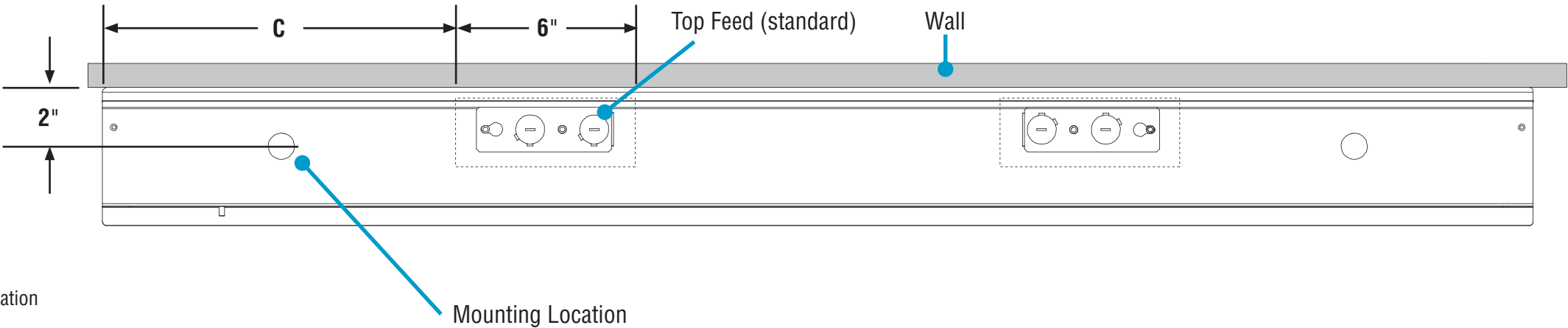
HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 2 - Feed Locations & Options

Top Feed

Top View

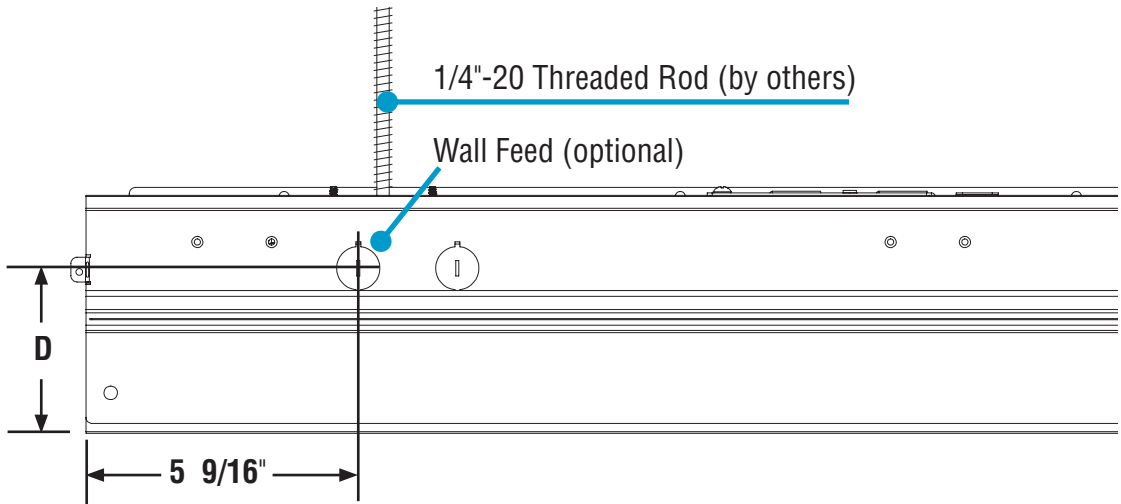
Luminaire Length	C (in)
2'	5
3'	5
4'	12
8'	12



Top Feed Location (standard)
• Use chart above to find measurement of **C** for feed location

Wall Feed

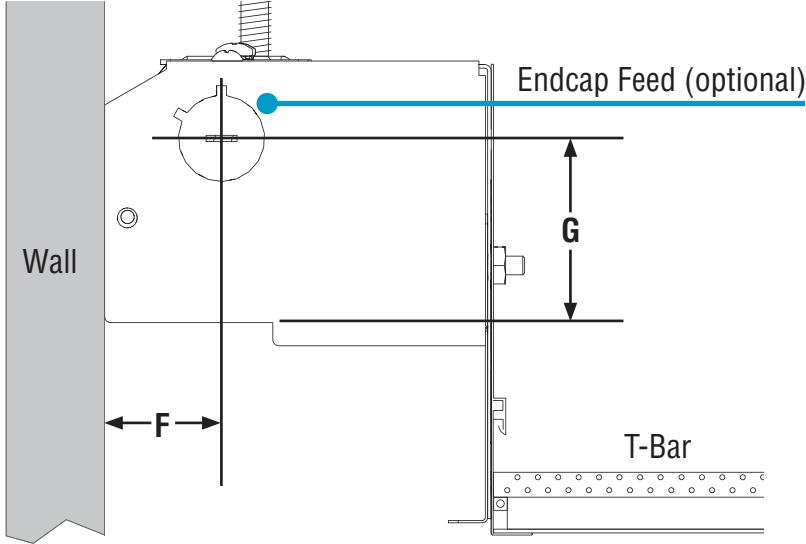
Back View



	D (in)
2" Depth	3-5/16
4" Depth	5-5/16
6" Depth	7-5/16

Endcap Feed

Side View

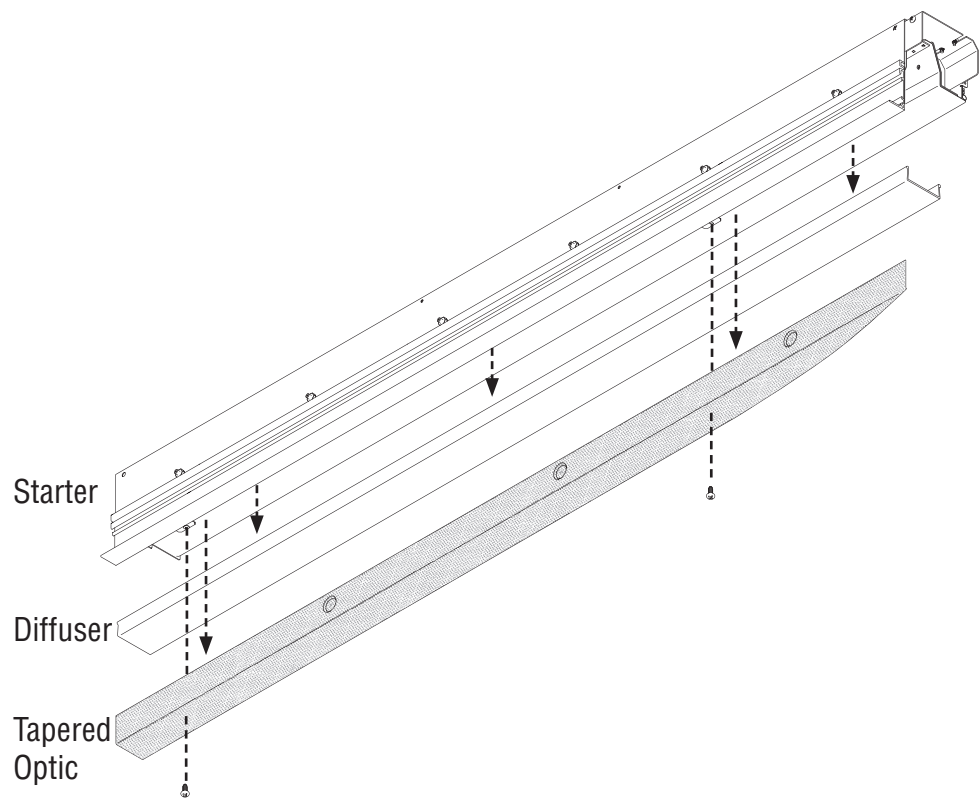


Endcap Width	F (in)	G (in)
4"	1-3/16	1-7/8
6"	2	1-7/8

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

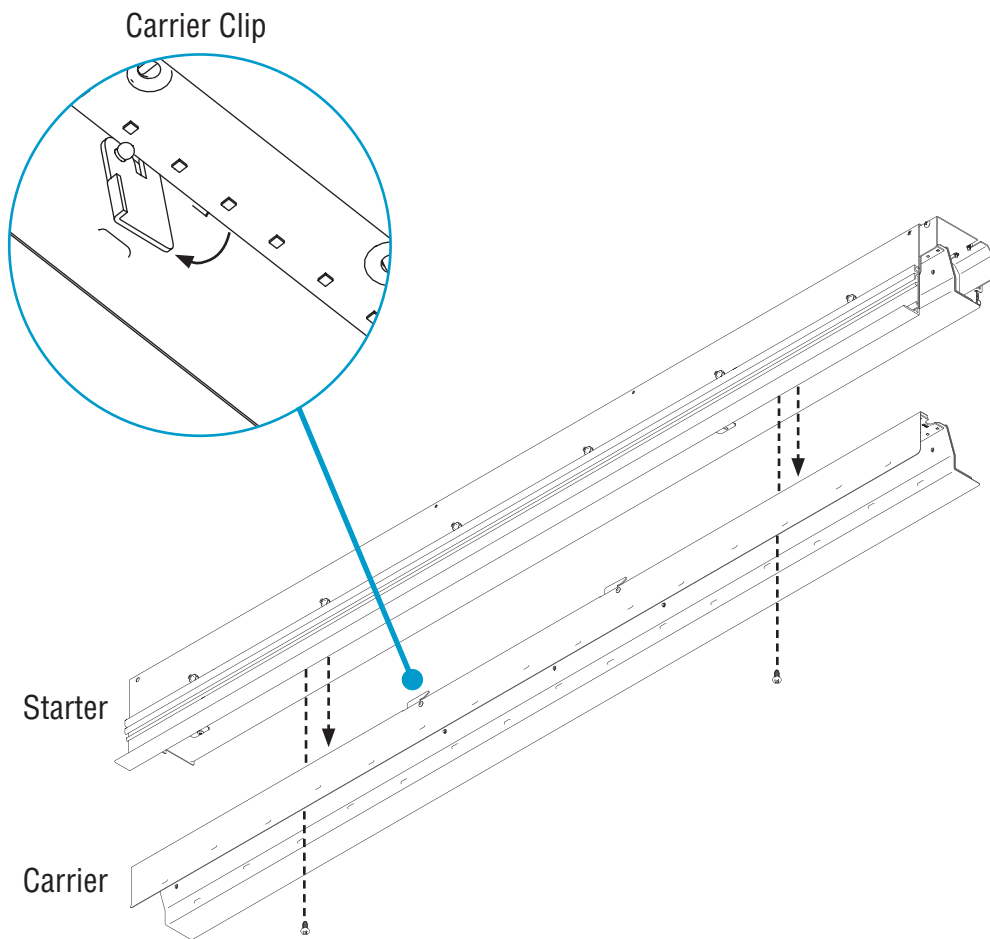
Step 3 - Mounting Starter to Structure

1. Remove Tapered Optic & Diffuser Bottom-Up View



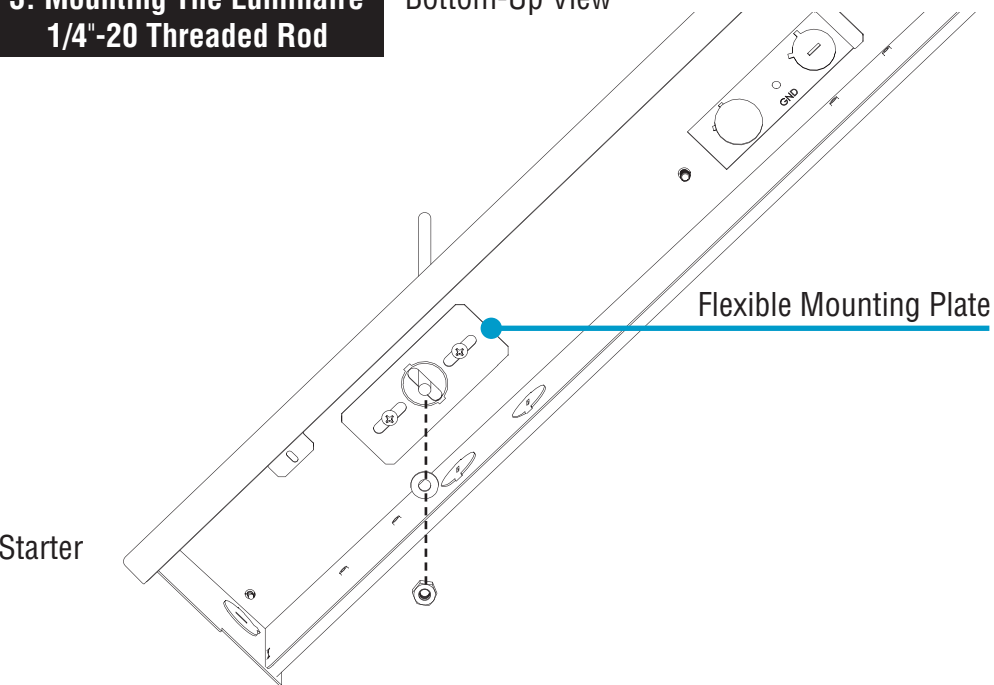
If using tapered optics, remove the #4-24 x 1/4" self drilling screws. Set screws aside. Remove diffusers and set aside to prevent them from getting dirty or damaged.

2. Remove Carrier Bottom-Up View

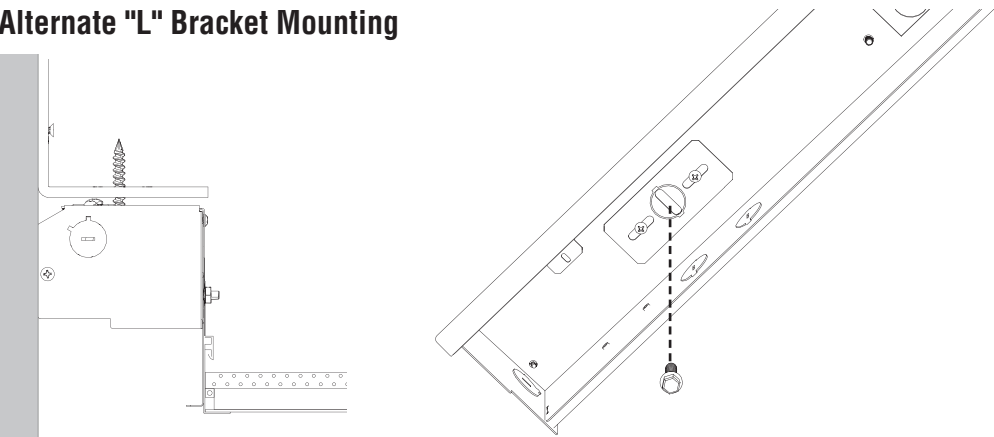


Remove the #8-18 x 1/2" screws. Twist the carrier clips clockwise to release the carrier. The carrier will be suspended by safety cables but you can remove them for completely open access.


3. Mounting The Luminaire Bottom-Up View 1/4"-20 Threaded Rod




Alternate "L" Bracket Mounting




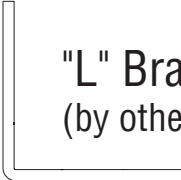
Mount the luminaire to structure using a 1/4"-20 nut and washer to threaded rod (by others) to the flexible mounting plate. The plate can move for a precise fit. Alternatively, you can mount the luminaire to structure using an "L" shape bracket (by others).

 #4-24 x 1/4" Self Drilling Screws (provided)

 #8-18 x 1/2" Screws (provided)

 1/4"-20 Washer (by others)

 1/4"-20 Nut (by others)

 "L" Bracket (by others)

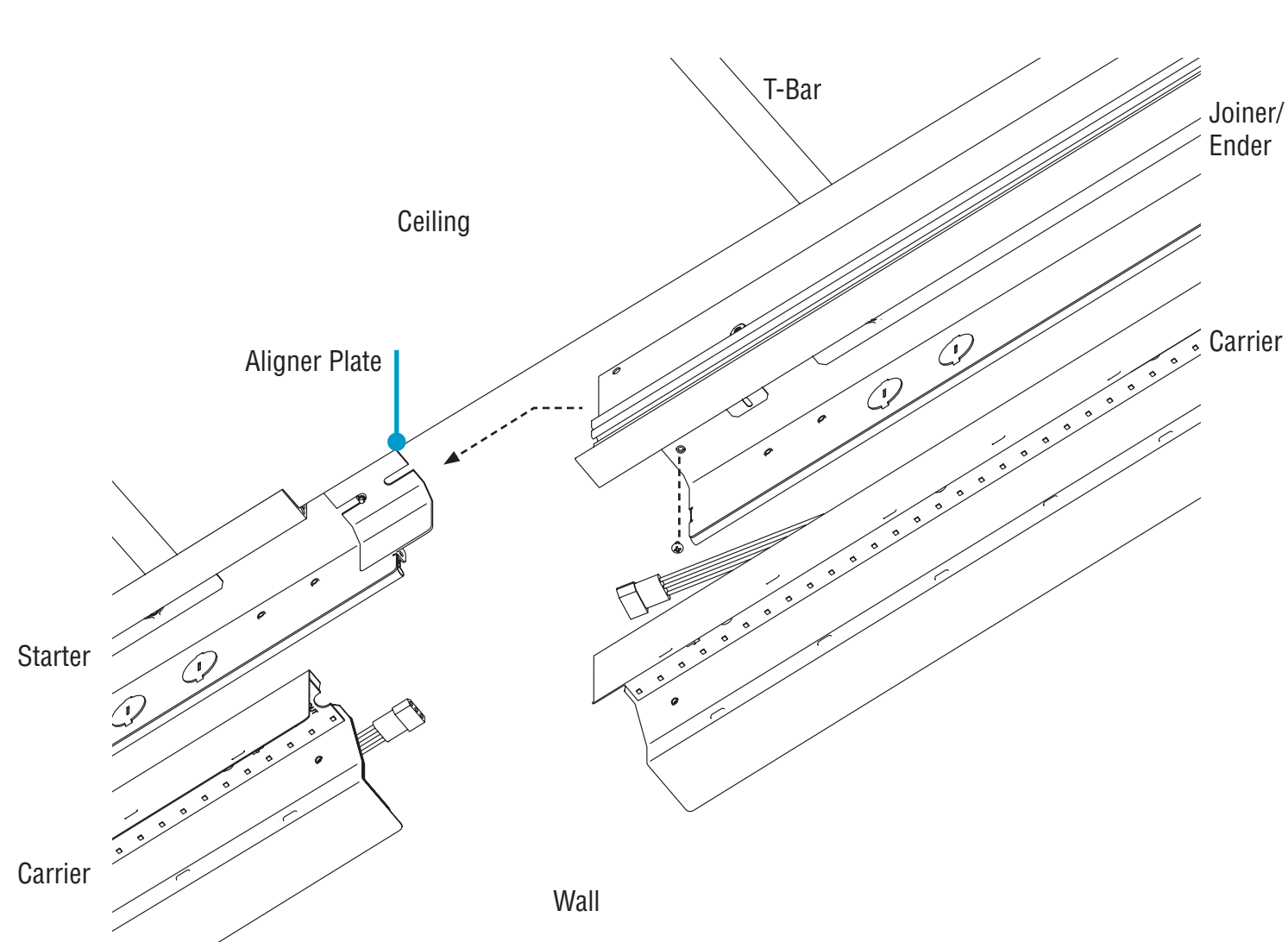
Finelite, Inc. • 30500 Whipple Road • Union City, CA 94587-1530 • (510) 441-1100 • Fax: (510) 441-1510 • www.finelite.com

Note: All power connections to be installed to local/national codes by a Certified Electrician.

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

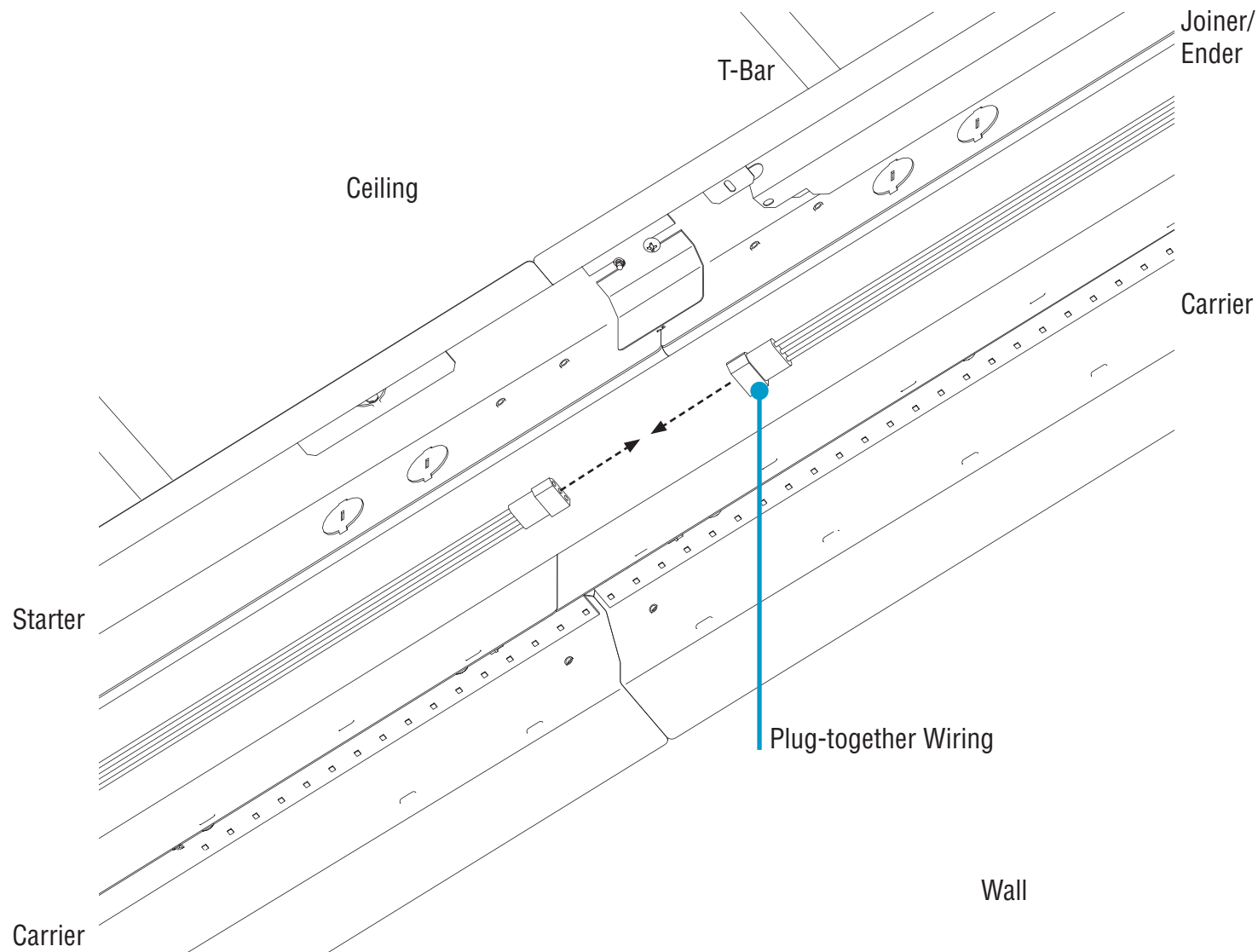
Step 4 - Joining Luminaires

1. Align Starter and Joiner/Ender Bottom-Up View




The joiner/ender luminaire must be lifted above the aligner plate on the starter luminaire. Use a #8-18 x 1/4" screw to fasten the joiner luminaire to the aligner plate. See page 5 for how to secure a joiner/ender luminaire to structure.

2. Plug-together Wiring Bottom-Up View



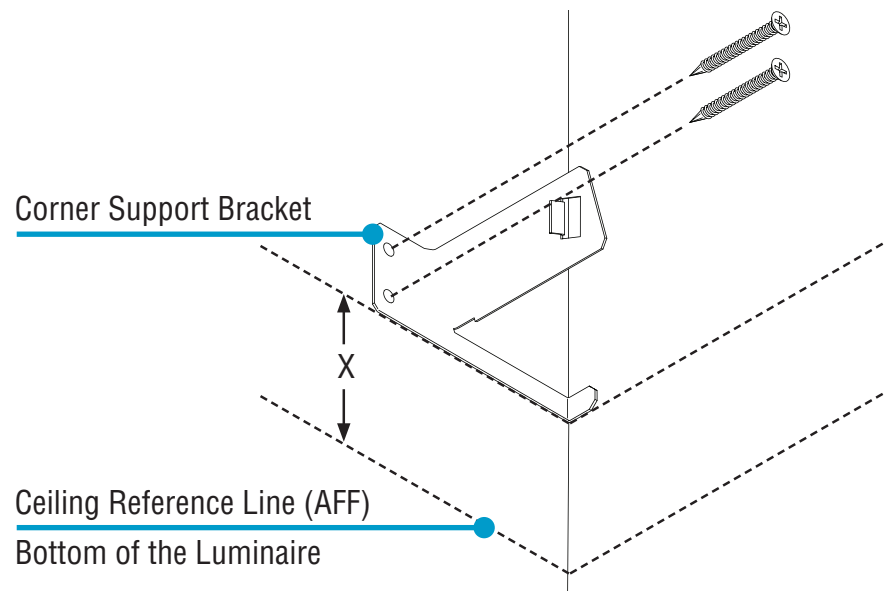
Connect the plug-together wiring.

 **#8-18 x 1/4" Screw**
(provided)

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 5A - Inside Corner

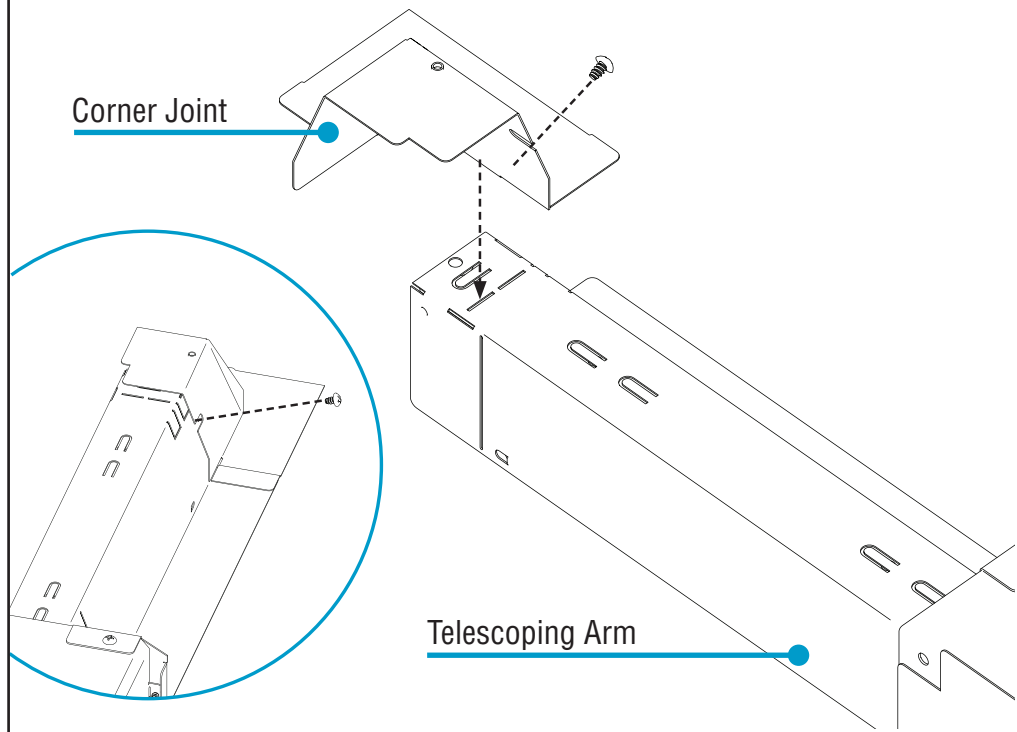
1. Inside Corner Support Bracket Bottom-Up View



	Dimension
2" Deep	X = AFF ceiling height + 3-3/16"
4" Deep	X = AFF ceiling height + 5-3/16"
6" Deep	X = AFF ceiling height + 7-3/16"

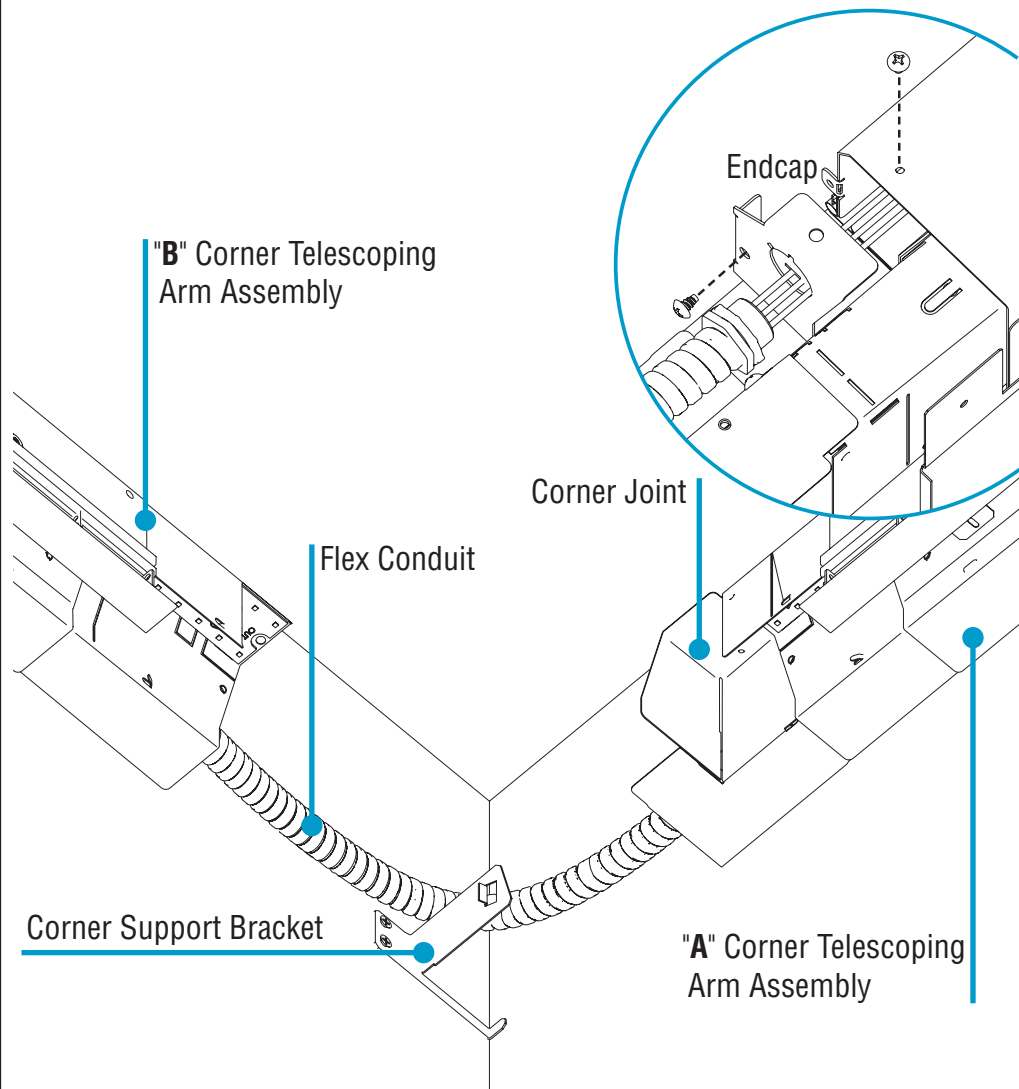
Fasten the inside corner support bracket at distance "X" from the ceiling reference line (AFF). Fasten bracket using appropriate #10 screws.

2. Connect Corner Joint Top-Down View



Connect the corner joint to the right telescope arm using a #8-18 x 1/4" screw.

3. Connect Flex Conduit Bottom-Up View



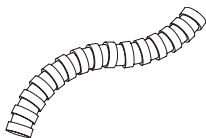
Connect the through wiring using flex conduit and make sure the flex conduit goes above the corner support bracket. To connect flex conduit, remove telescope endcap (2 #8-18 x1/4" screws) for access.



#10 Screws
(by others)



#8-18 x 1/4" Screw
(provided)



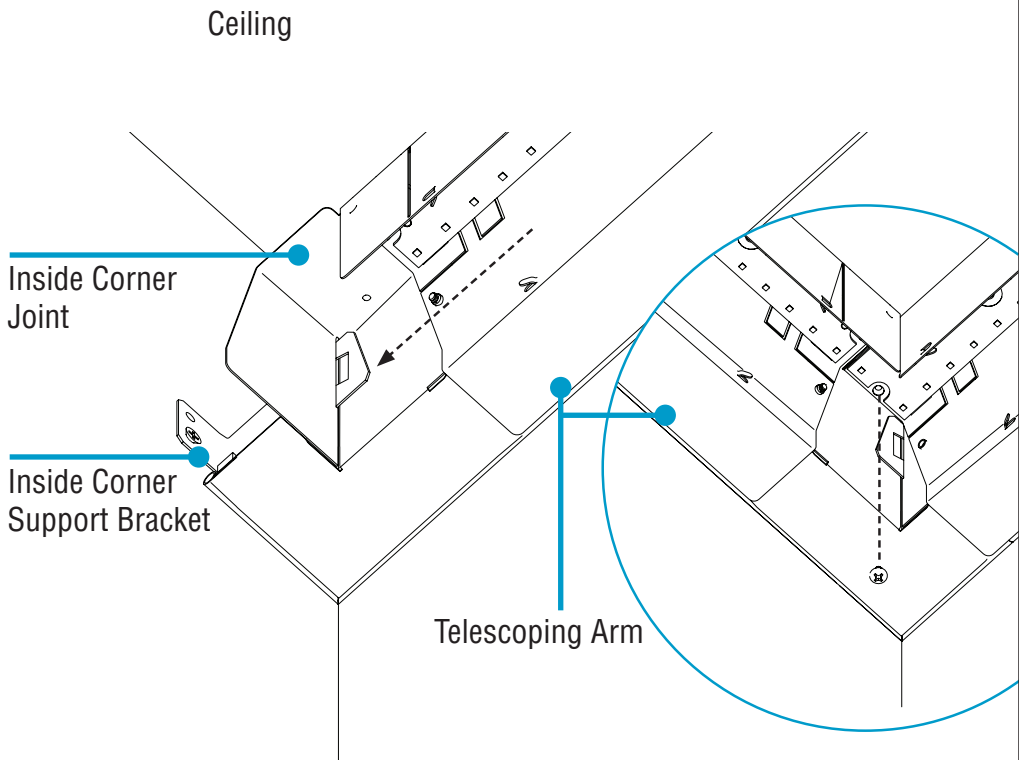
Flex Conduit
(provided)

CONTINUED

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

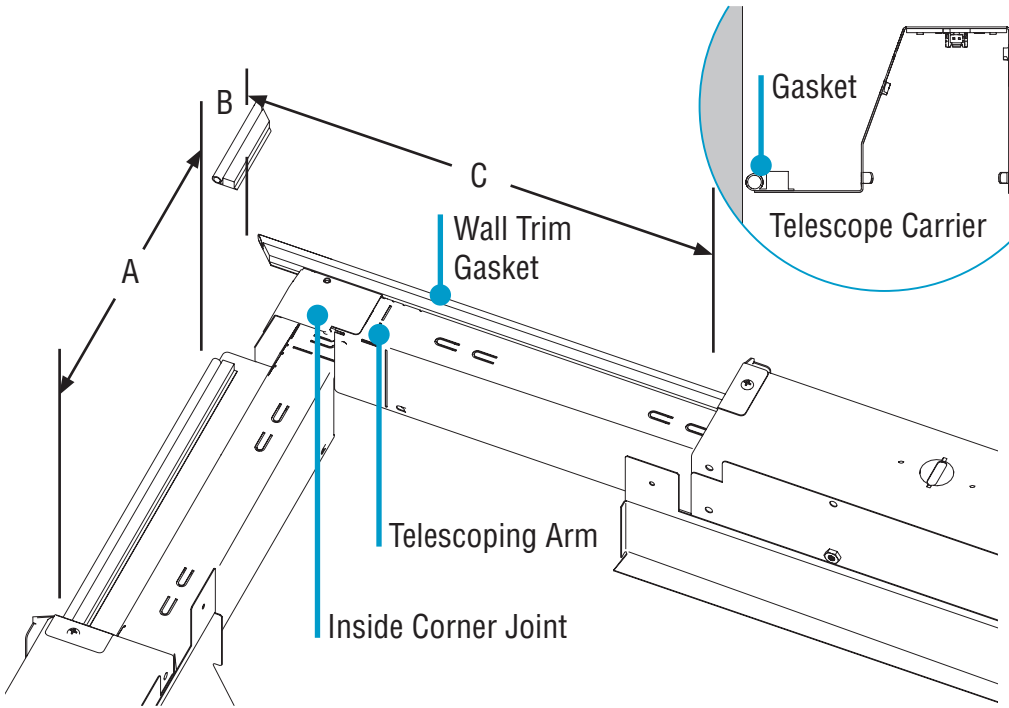
Step 5A - Inside Corner

4. Connect Telescoping Arms Bottom-Up View



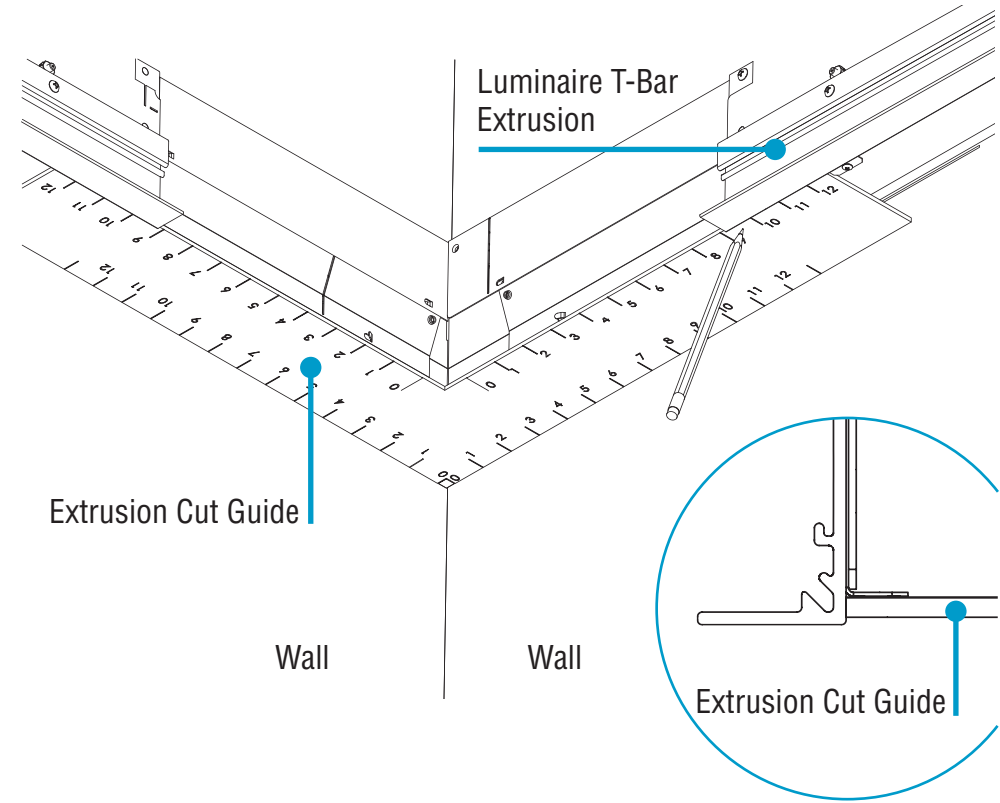
Mount right side telescope arm to corner support bracket. Connect left telescope arm and fasten to right telescope arm with #8-18 x 1/4" screw.

5. Install Gaskets Top View




Locate wall trim gasket and cut to lengths **A**, **B**, & **C** after telescope arms are extended, remove liner to expose adhesive, and attach gaskets to telescope carriers as shown.

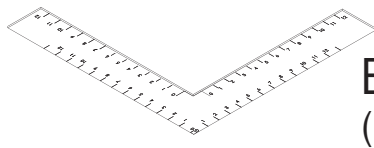
6. Using The Extrusion Cut Guide Bottom-Up View



Use the extrusion cut guide (provided) by placing it on the inner-side of the luminaire T-Bar extrusion just above the T-Bar flange. Mark where the extrusion ends for both sides.

 **#8-18 x 1/4" Screw**
(provided)

 **Wall Trim Gaskets**
(provided)

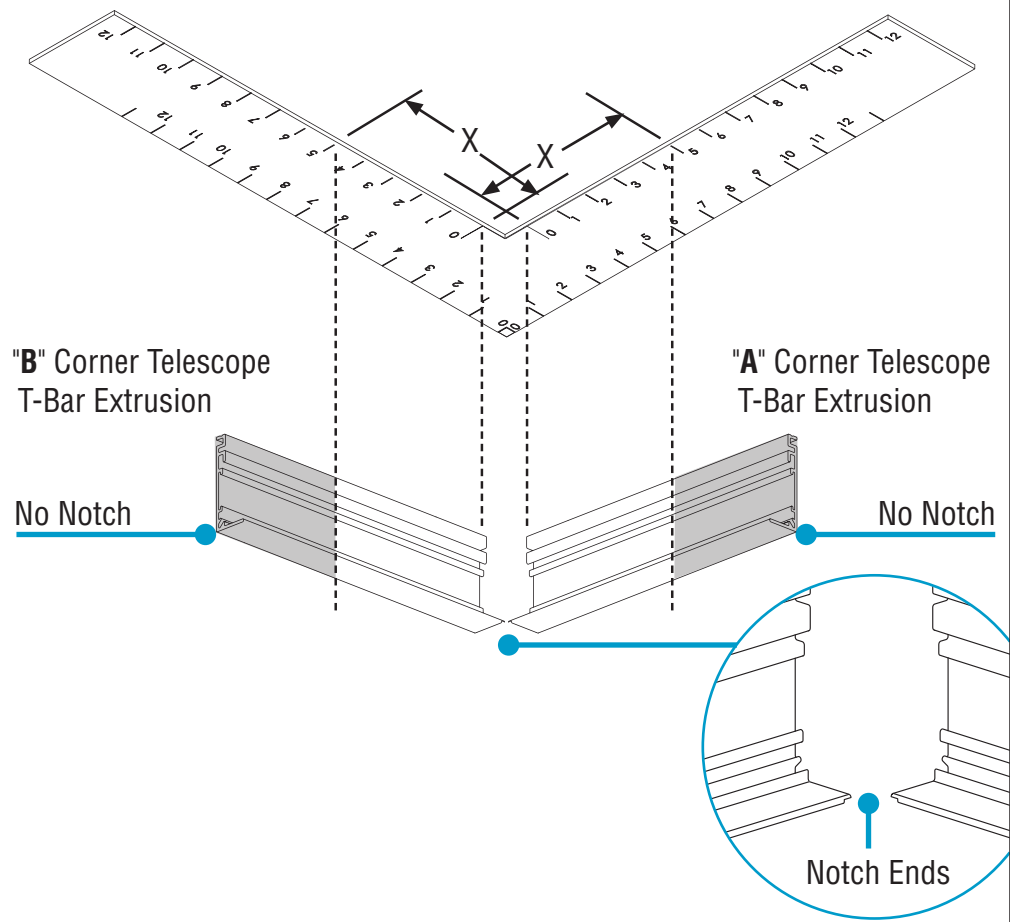
 **Extrusion Cut Guide**
(provided)

CONTINUED

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

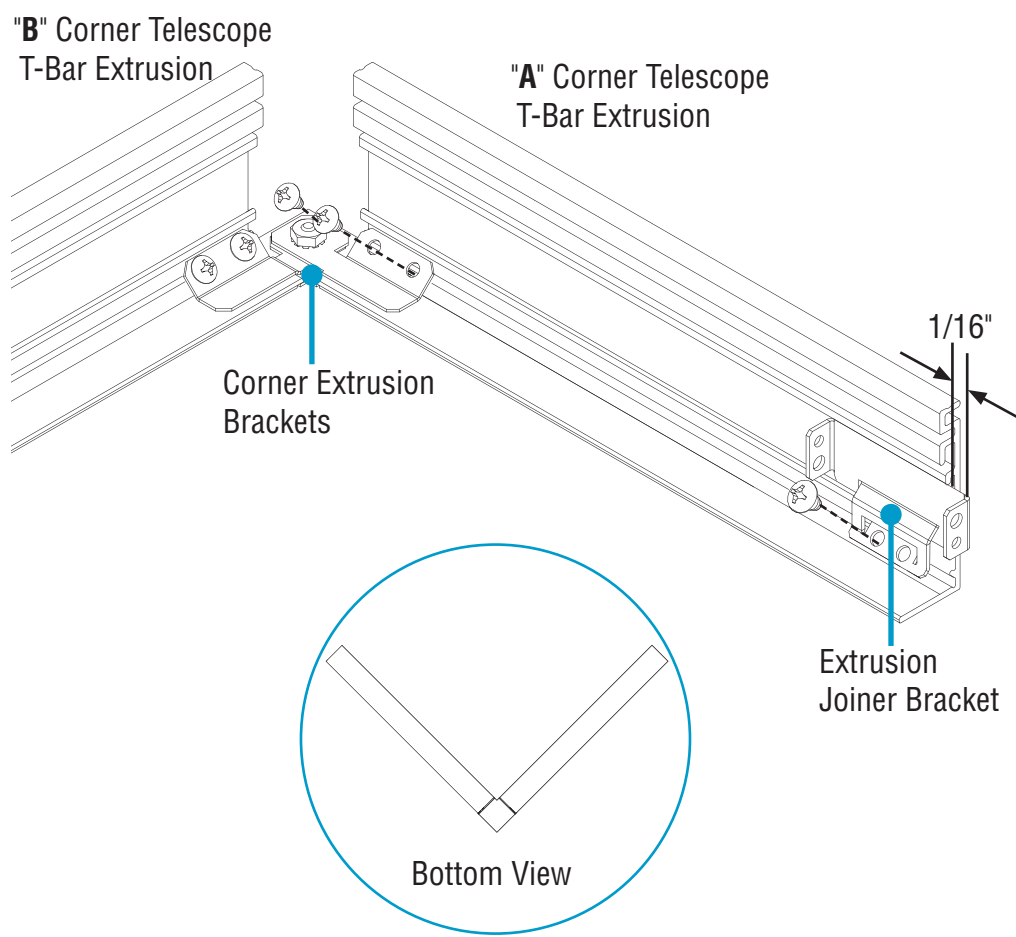
Step 5A - Inside Corner

7. Cut the Telescoping T-Bar Extrusion Bottom-Up View



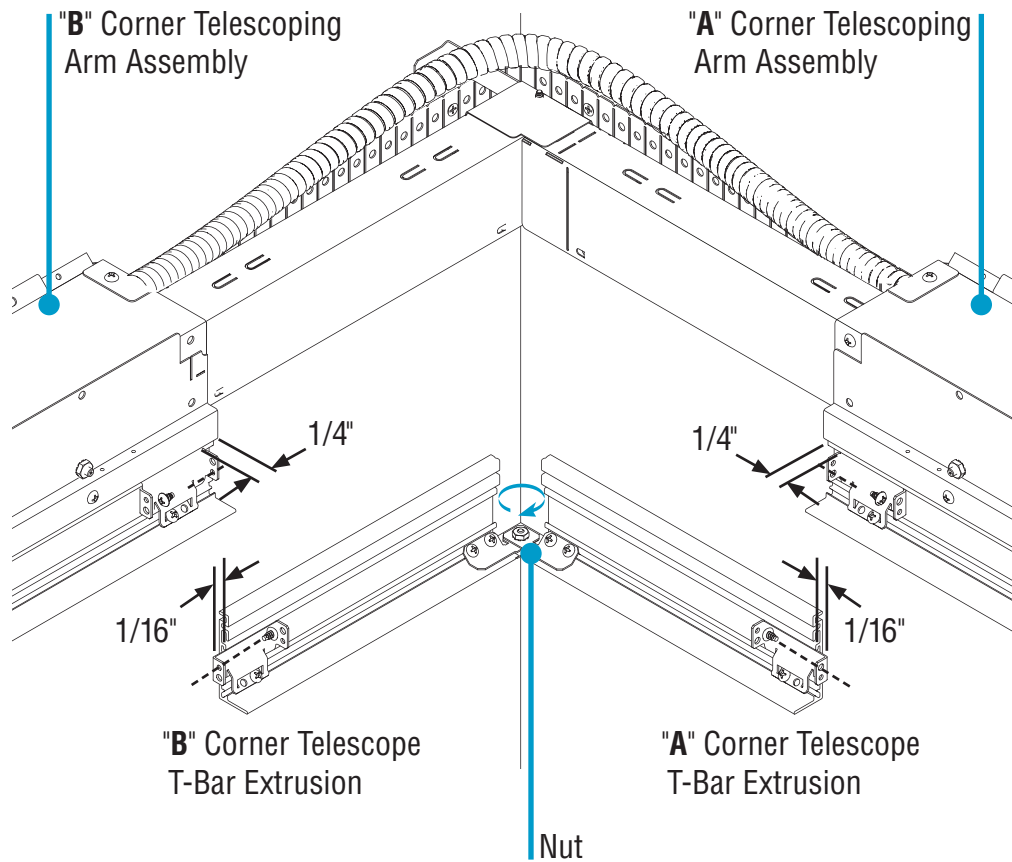
Use the measurements found in previous step to cut the telescope T-Bar extrusions to length.

8. Secure Extrusion Bracket Top View

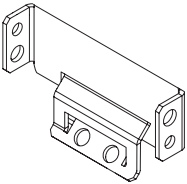
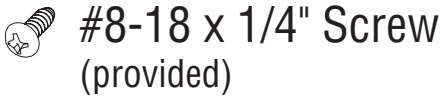


Make sure the corner extrusion bracket (provided) is fastened to both pieces of the telescope T-Bar extrusion by lining up the bracket to the edge of the extrusion. Fasten using #8-18 x 1/4" screws (provided). Slide the extrusion joiner bracket (provided) into the telescope T-Bar extrusion as shown. Pin with #8-18 x 1/4" screws (provided). Make sure to leave a 1/16" gap from the extrusion joiner bracket to the end of the telescope T-Bar extrusion.

9. Install Telescoping T-Bar Extrusion Top View



Join the telescope T-Bar extrusions to the luminaire T-Bar extrusions using #8-18 x 1/4" screws (provided) to pull together the adjacent extrusion joiner brackets. Leave a 1/16" gap between the two extrusion joiner brackets. Tighten nut to solidify telescope T-Bar extrusion corner joint.

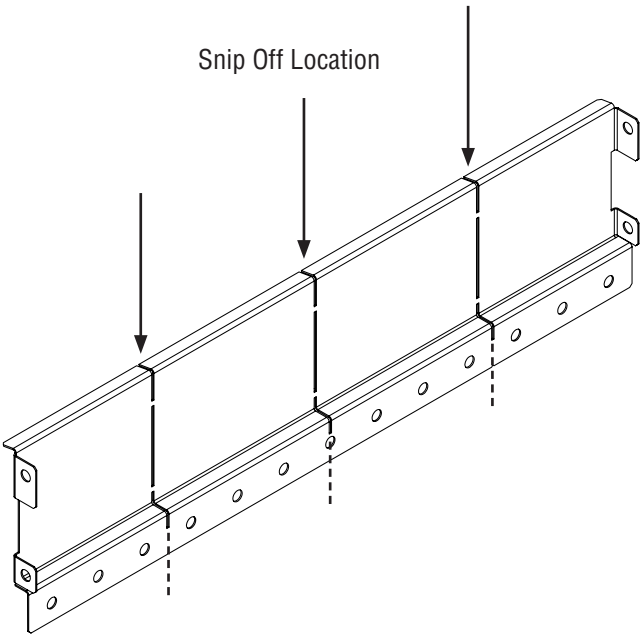


Extrusion Joiner Bracket (provided)

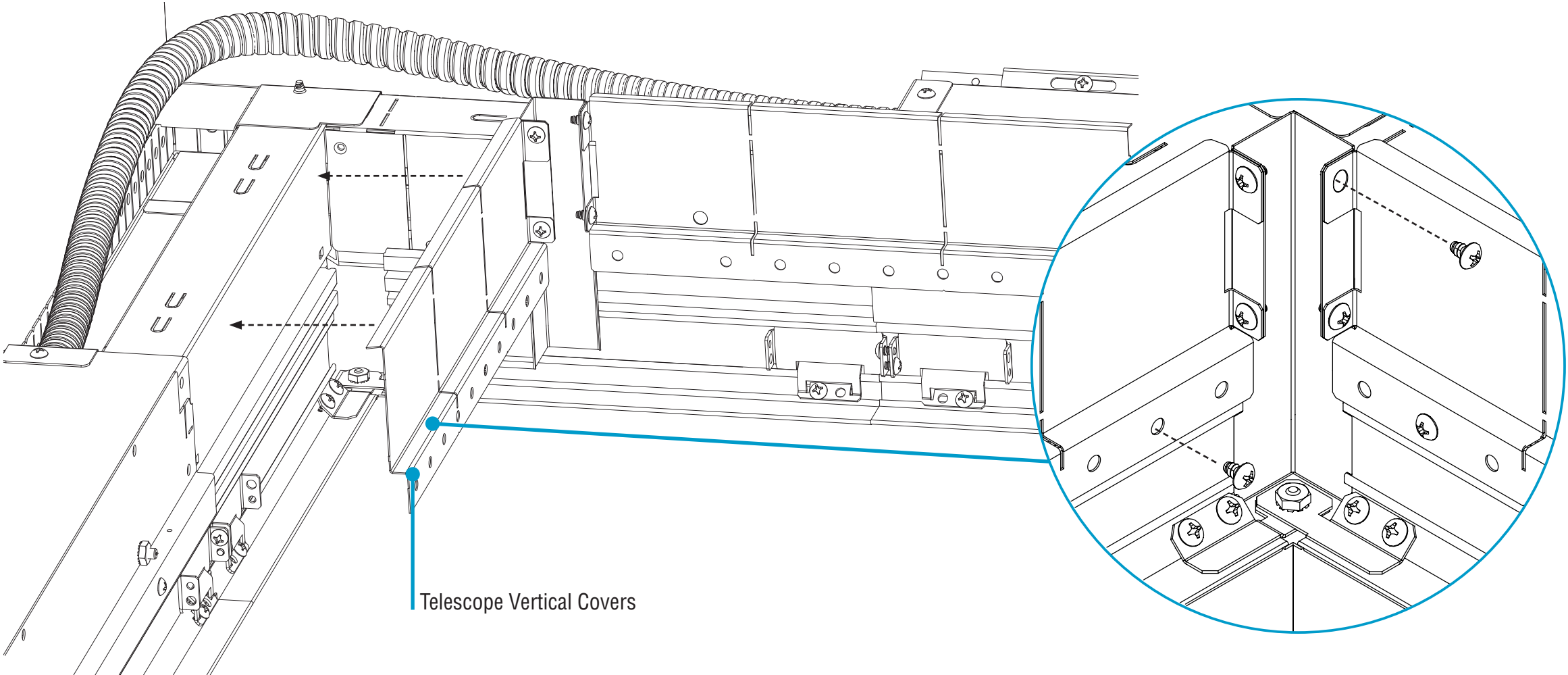
HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 5A - Inside Corner

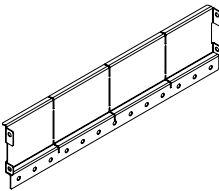
10. Telescope Vertical Cover Top View



If necessary, snip off perforated sections of the vertical cover.



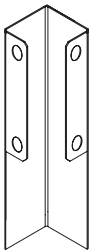
Place telescope vertical cover subassembly over telescope T-Bar extrusions as shown. Fasten to telescope T-Bar extrusions using #8-18 x 1/4" screws (provided). Repeat steps 2-10 for all inside corners.



Telescope Vertical Cover (provided)



#8-18 x 1/4" Screw (provided)

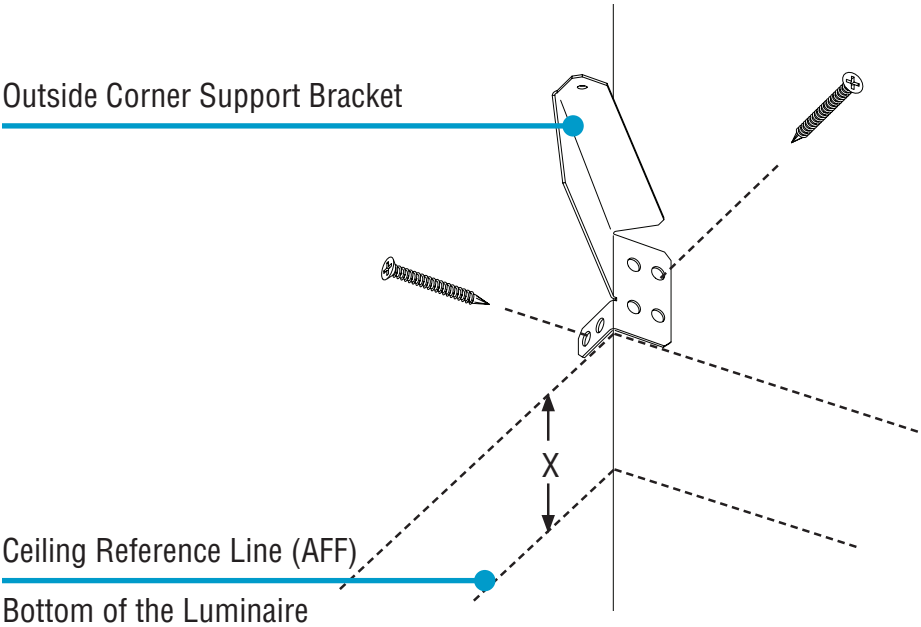


Inside Corner Cover Bracket (provided)

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 5B - Outside Corner

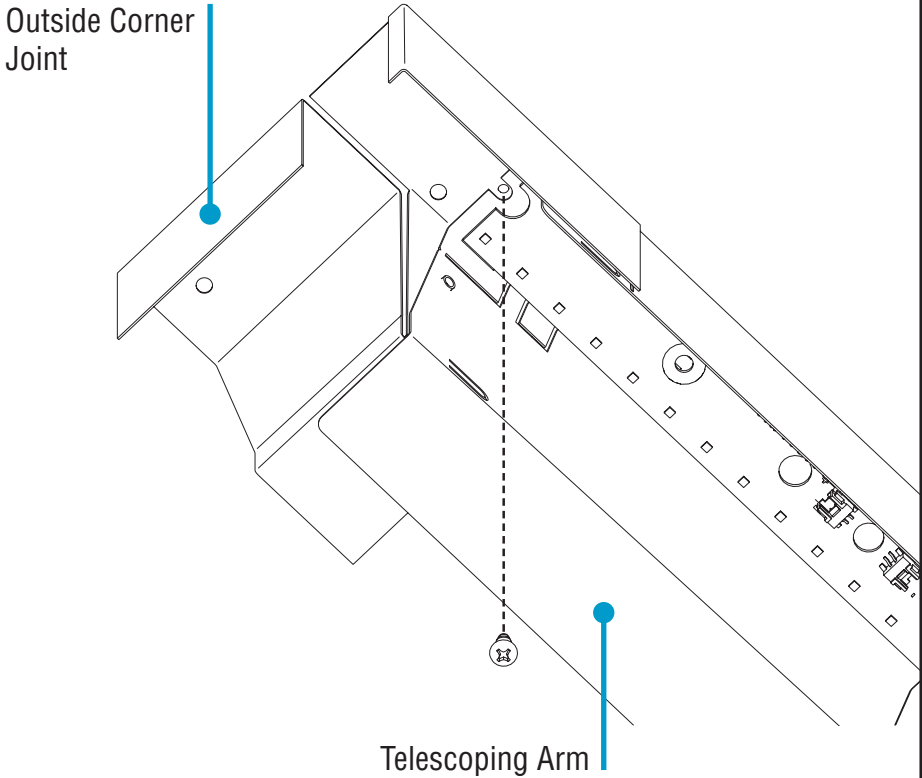
1. Outside Corner Support Bracket Bottom-Up View



	Dimension
2" Deep	X = AFF ceiling height + 3-3/16"
4" Deep	X = AFF ceiling height + 5-3/16"
6" Deep	X = AFF ceiling height + 7-3/16"

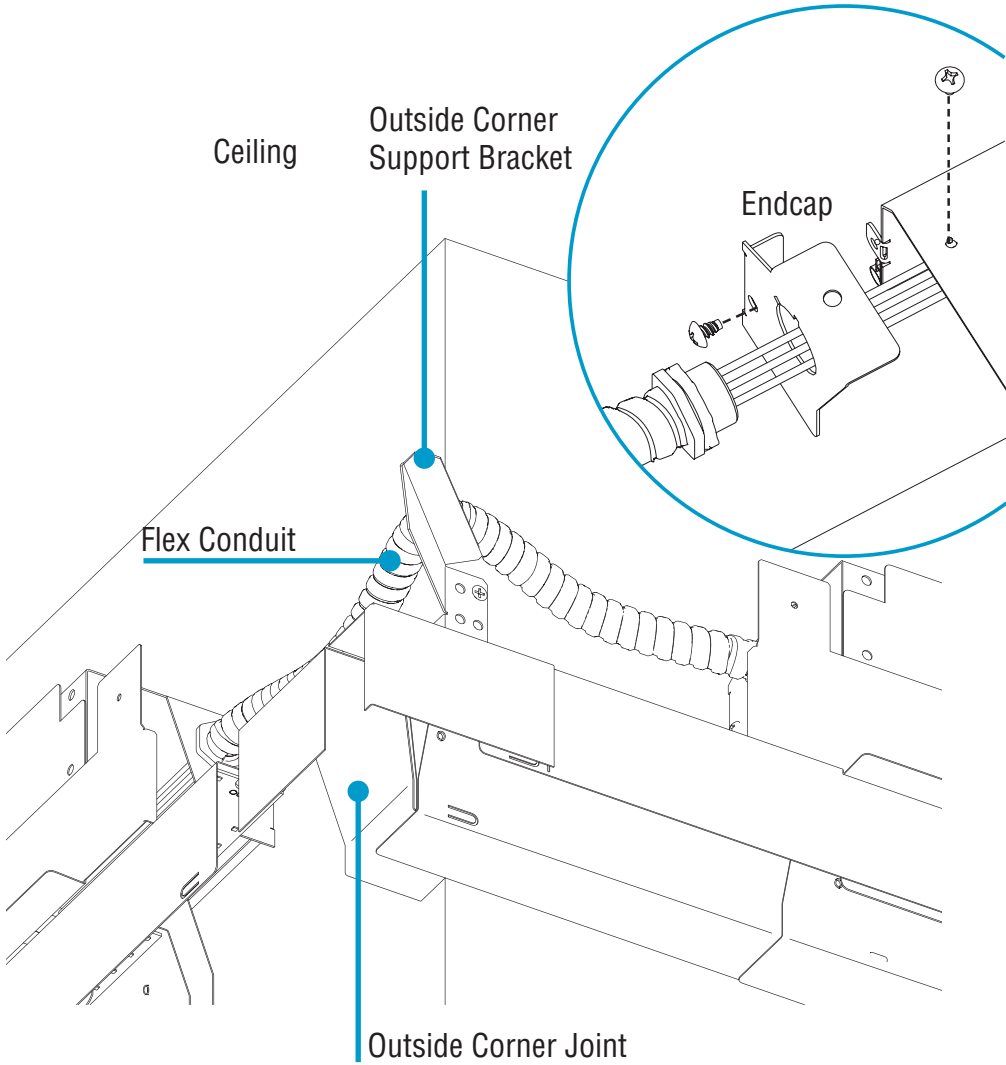
Fasten the outside corner support bracket at distance "X" from the ceiling reference line (AFF).
Fasten bracket using appropriate #10 screws.

2. Connect Corner Joint Bottom-Up View

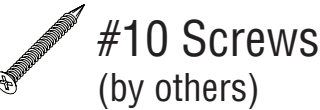


Connect the corner joint to the right telescope arm using a #8-18 x 1/4" screw.

3. Connect Flex Conduit Bottom-Up View



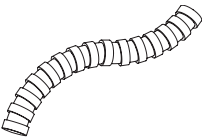
Connect the through wiring using flex conduit and be sure the flex conduit goes above the corner support bracket. To connect flex conduit, remove telescope endcap (2x #8-18 x1/4" screws) for access.



#10 Screws
(by others)



#8-18 x 1/4" Screw
(provided)



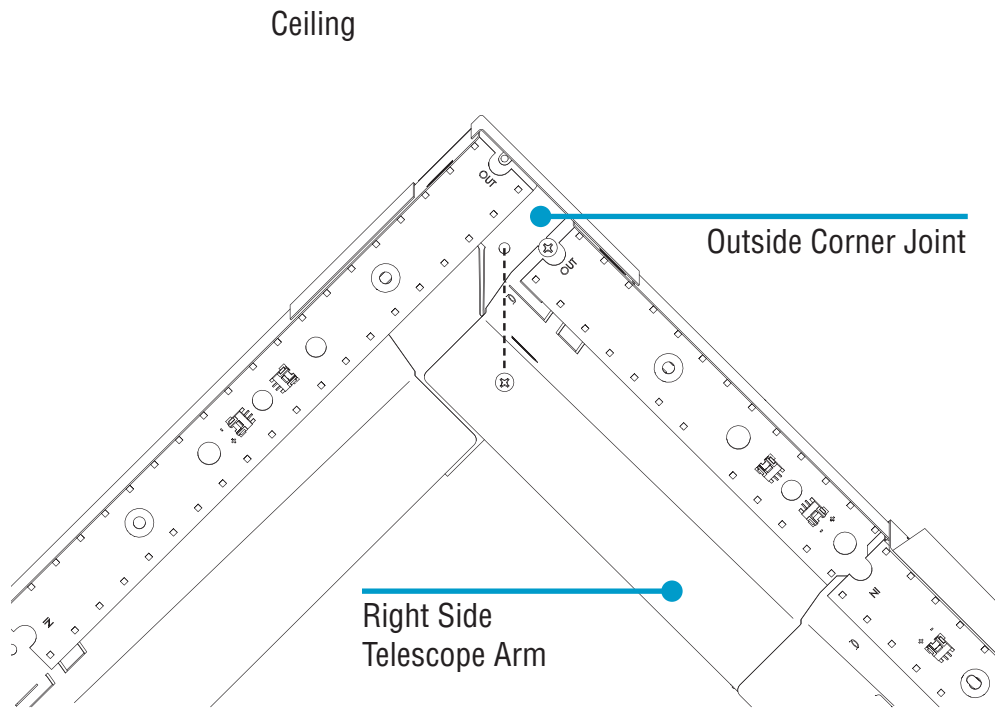
Flex Conduit
(provided)

CONTINUED

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

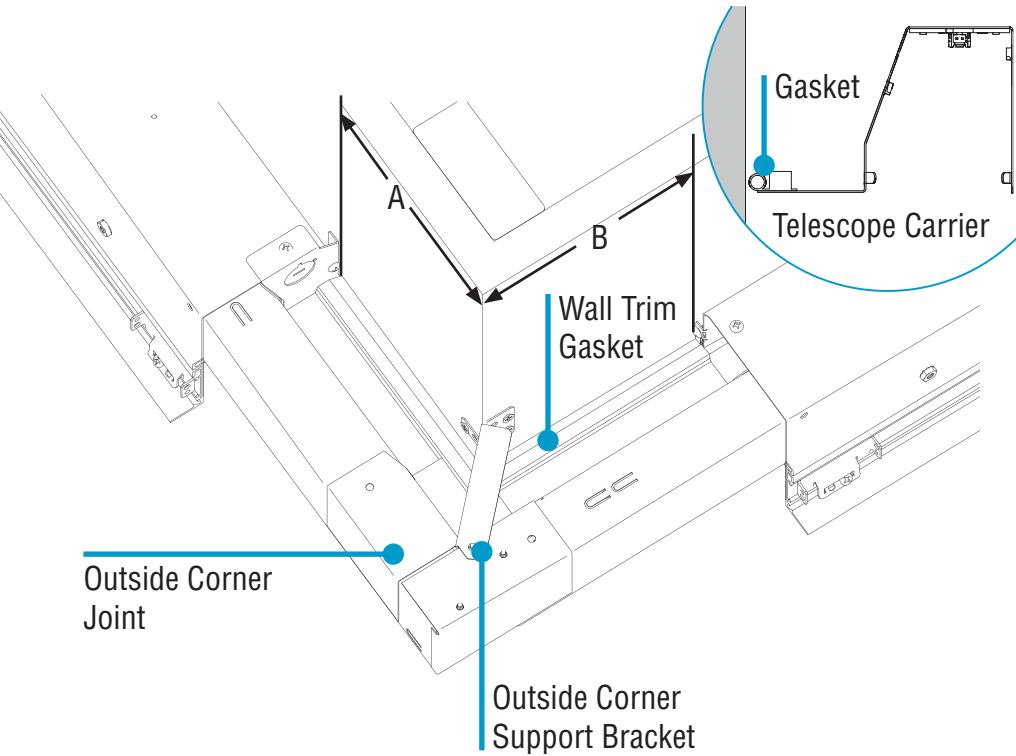
Step 5B - Outside Corner

4. Connect Telescoping Arms Bottom-Up View



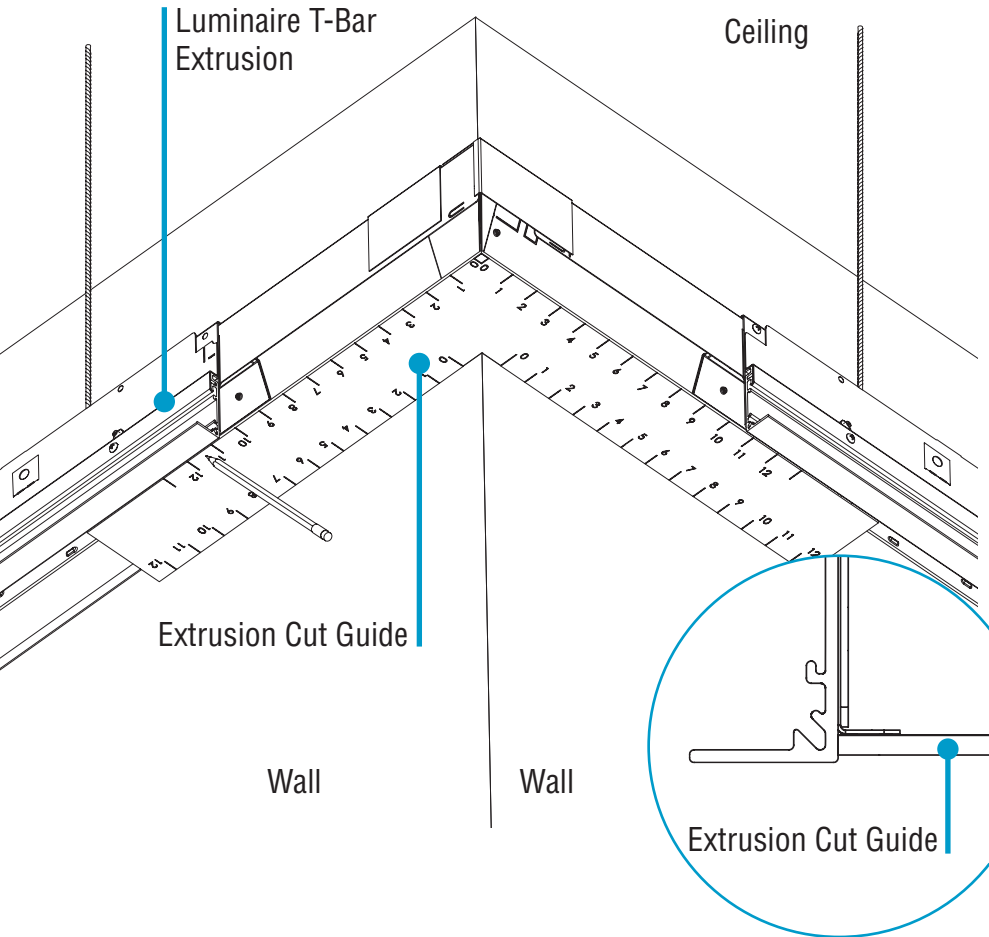
Mount right side telescope arm to corner support bracket. Connect left telescope arm and fasten to right telescope arm with #8-18 x 1/4" screw.

5. Install Gaskets Top View




Locate wall trim gasket and cut to lengths **A** & **B** when telescope arms are extended, remove liner to expose adhesive, and attach gaskets to telescope carriers as shown.

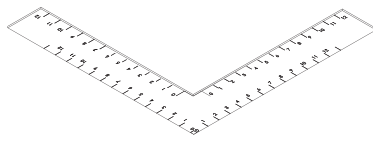
6. Using The Extrusion Cut Guide Bottom-Up View



Use the extrusion cut guide (provided) by placing it on the inner-side of the luminaire T-Bar extrusion just above the T-Bar flange. Mark where the extrusion ends for both sides.

 **#8-18 x 1/4" Screw**
(provided)

 **Wall Trim Gaskets**
(provided)

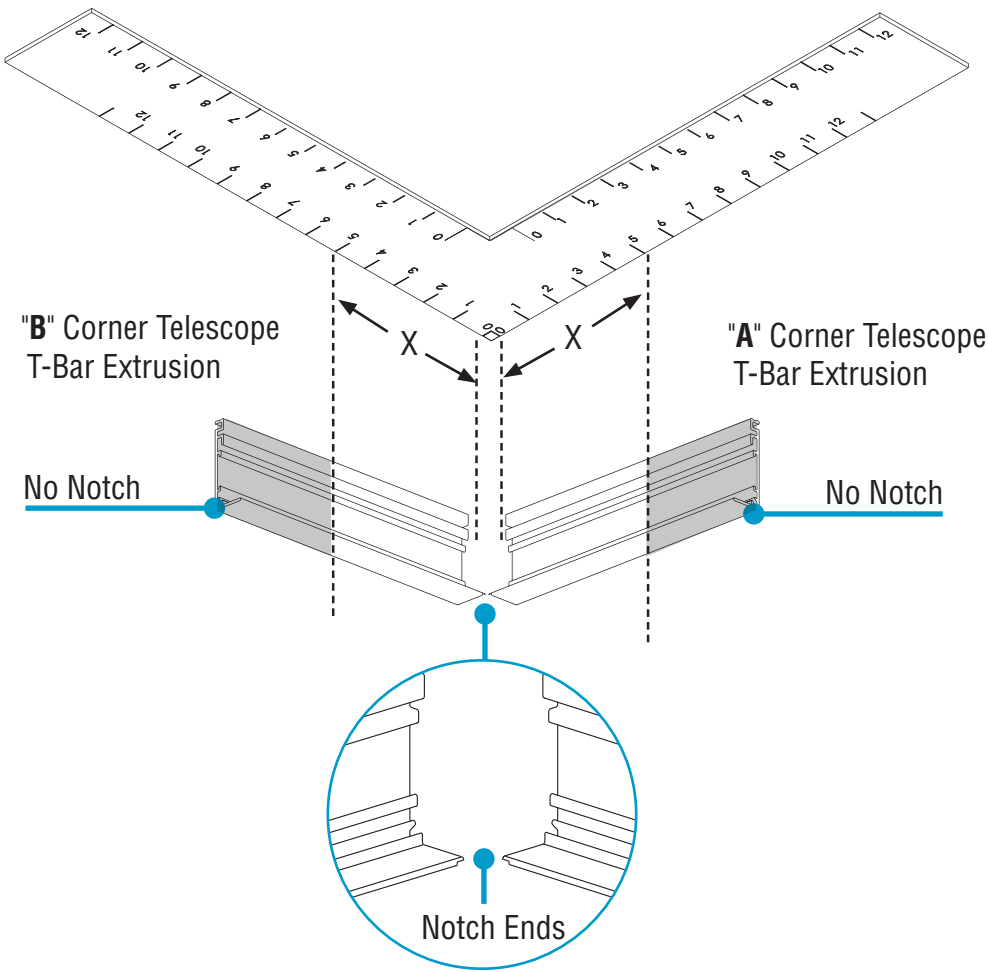
 **Extrusion Cut Guide**
(provided)

CONTINUED

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

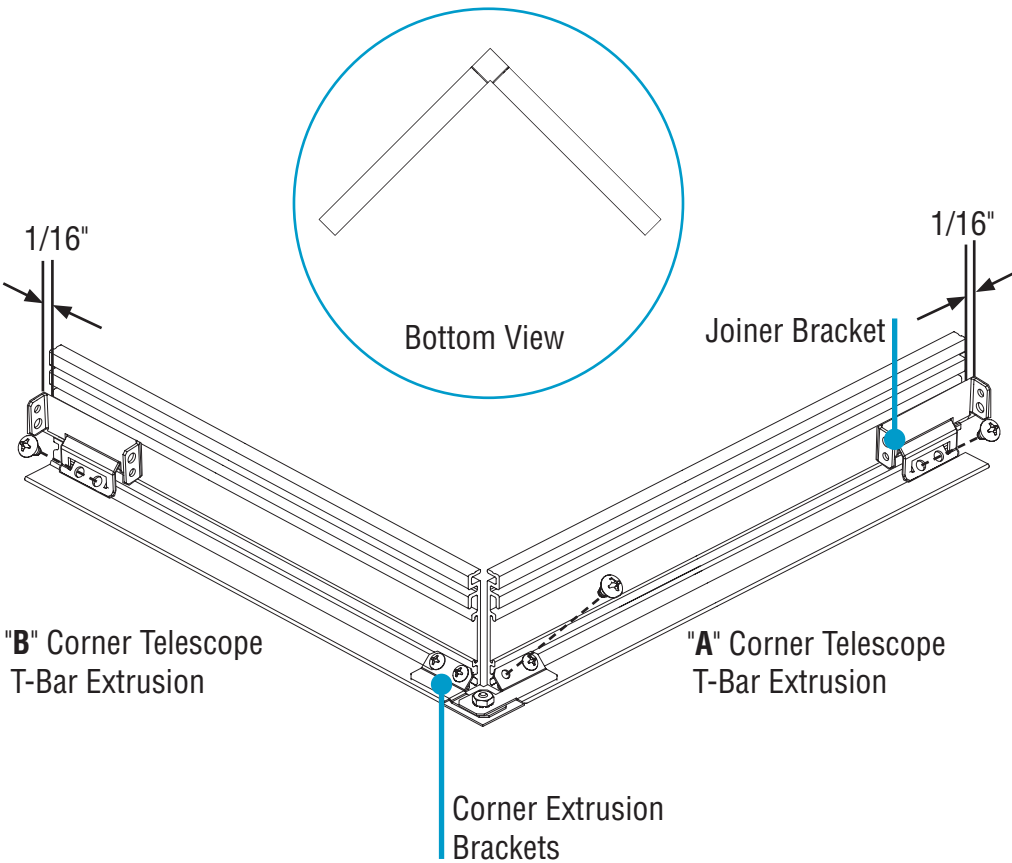
Step 5B - Outside Corner

7. Cut the Telescope T-Bar Extrusion Bottom-Up View



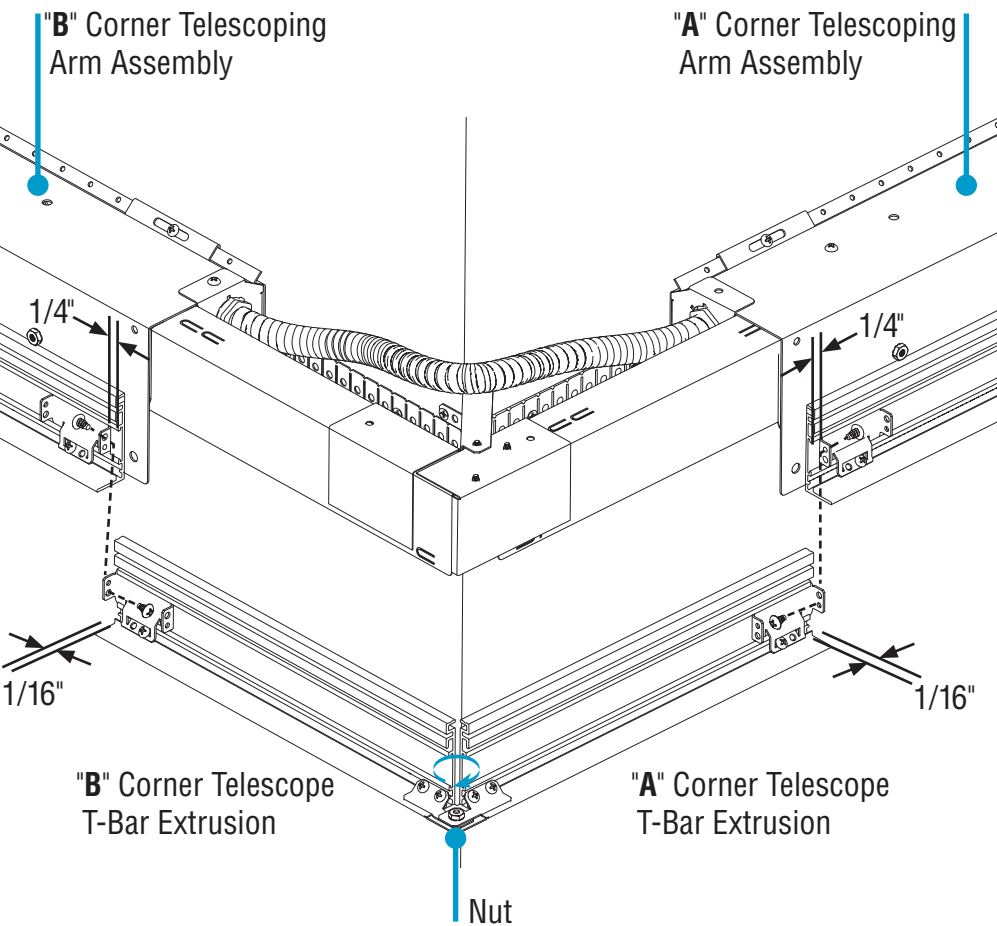
Use the measurements found in the previous step to cut the telescope T-Bar extrusions to length.

8. Secure Extrusion Bracket Top View

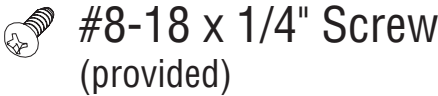


Make sure the corner extrusion bracket (provided) is fastened to both pieces of the telescope T-Bar extrusion by lining up the bracket to the edge of the extrusion. Fasten using #8-18 x 1/4" screws (provided). Slide the joiner bracket (provided) into the telescope T-Bar extrusion as shown. Pin with #8-18 x 1/4" screws (provided). Make sure to leave a 1/16" gap from the extrusion joiner bracket to the end of the telescope T-Bar extrusion.

9. Install Telescope T-Bar Extrusion Top View



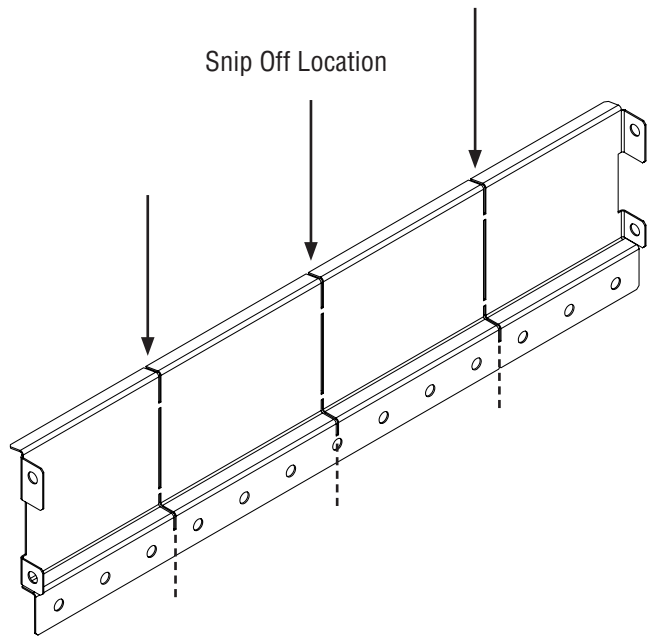
Join the telescope T-Bar extrusions to the luminaire T-Bar extrusions using #8-18 x 1/4" screws (provided) to pull together the adjacent extrusion joiner brackets. Leave a 1/16" gap between the two extrusion joiner brackets. Tighten nut to solidify telescope T-Bar extrusion corner joint.



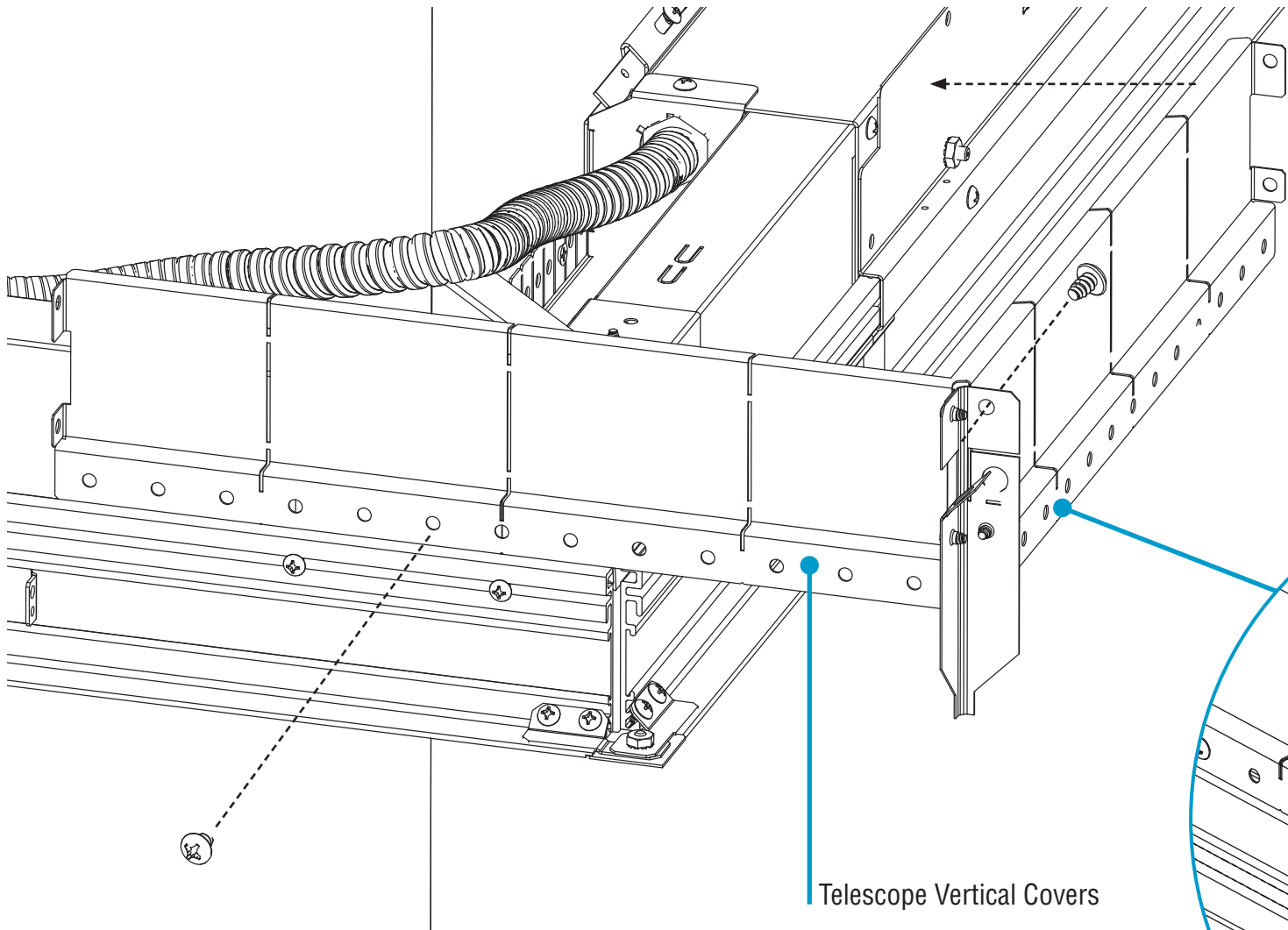
HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

Step 5B - Outside Corner

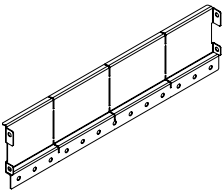
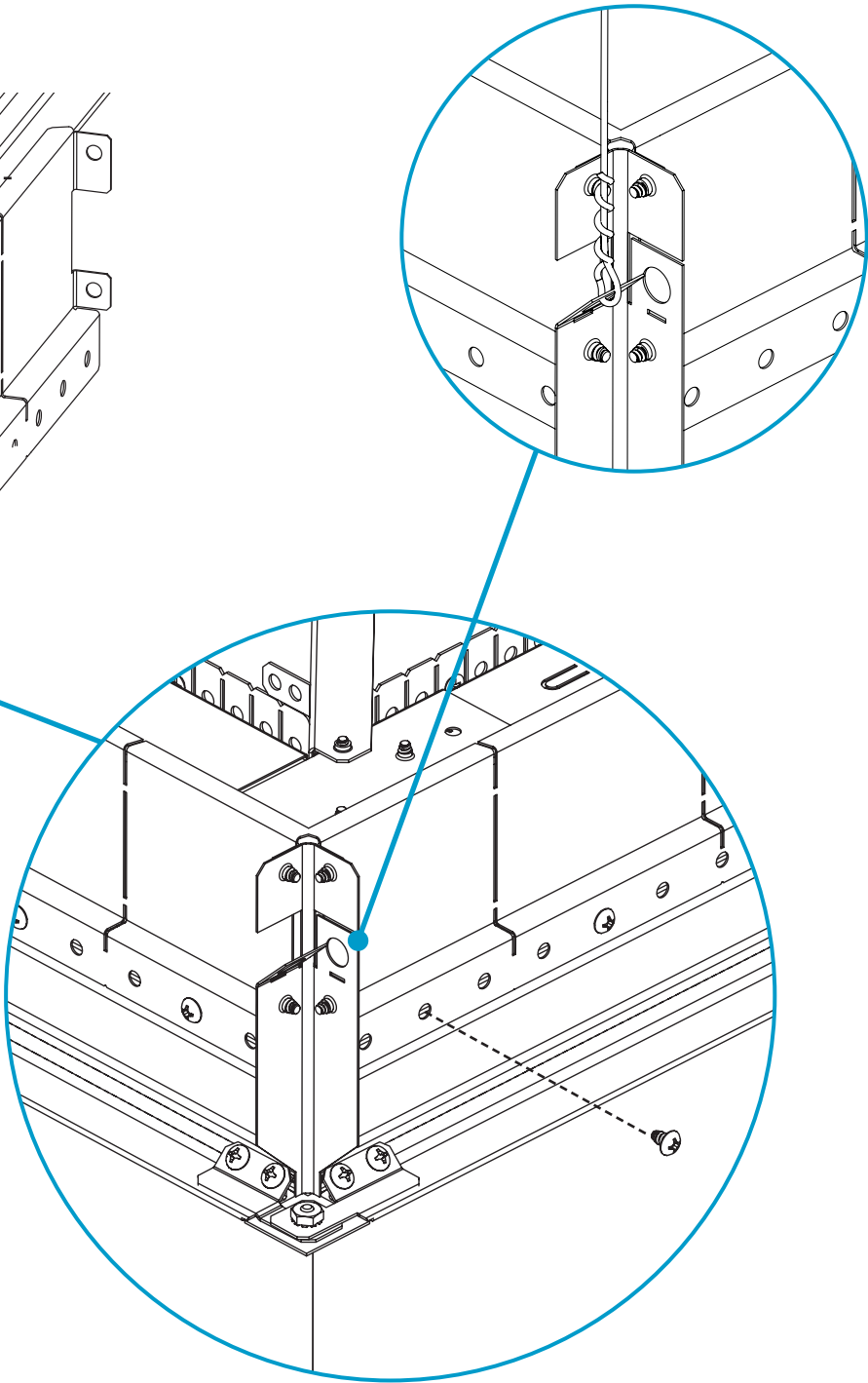
10. Telescope Vertical Cover Top View



If necessary, snip off perforated sections of the vertical cover.



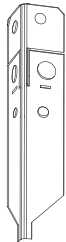
Place telescope vertical cover subassembly over telescope T-Bar extrusions as shown. Fasten to telescope vertical cover using #8-18 x 1/4" screws (provided). Secure the telescope vertical cover assembly to structure. Repeat steps 2-10 for all outside corners.



Telescope Vertical Cover (provided)



#8-18 x 1/4" Screw (provided)

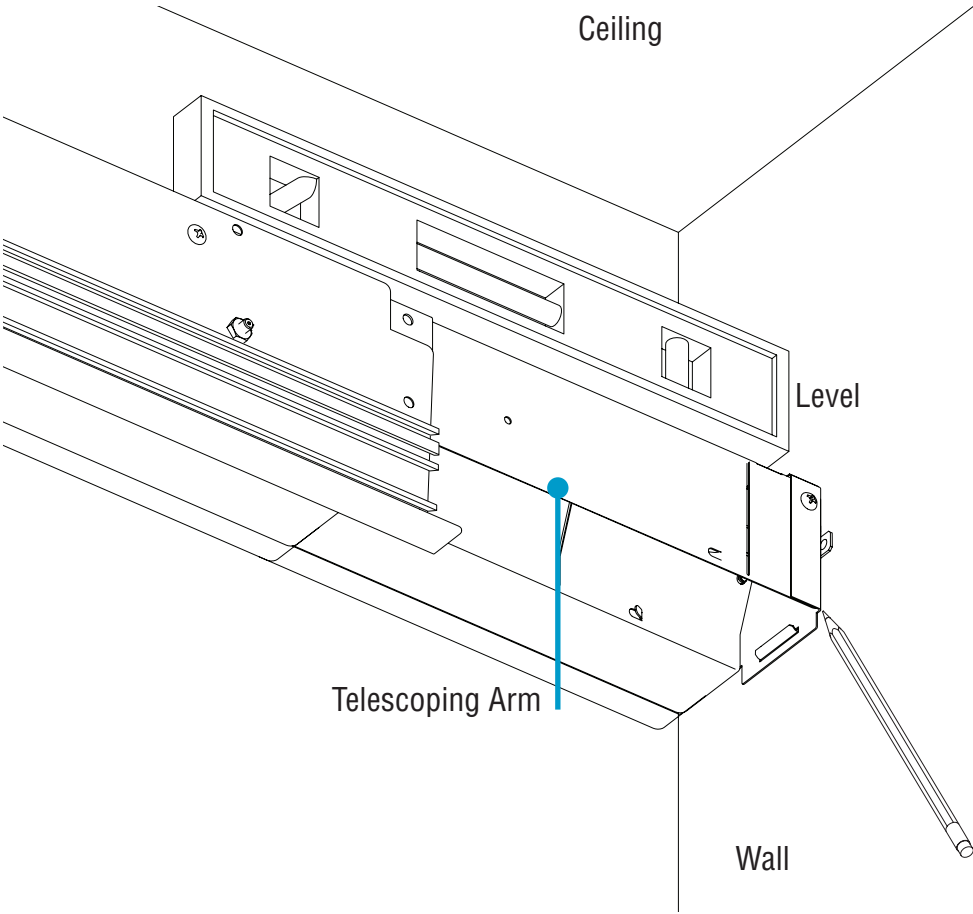


Outside Corner Cover Bracket (provided)

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

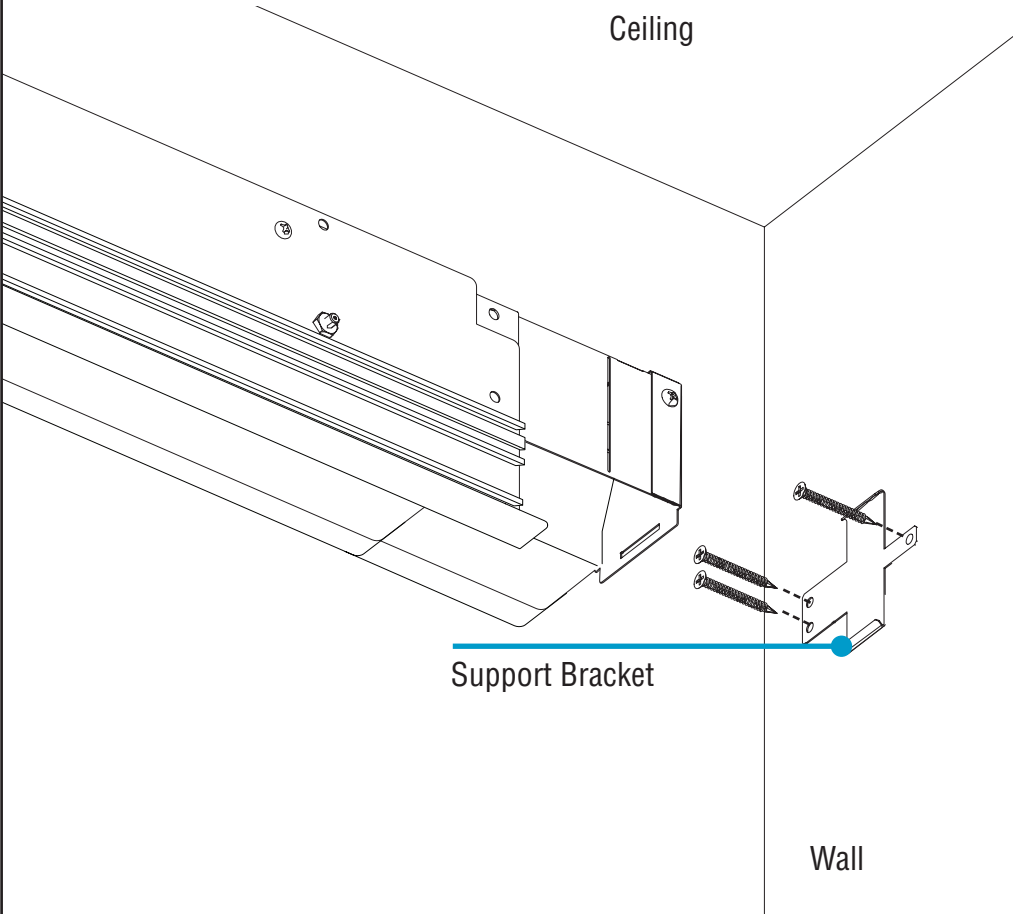
Step 6 - Straight Telescope

1. Extend Straight Telescope Bottom-Up View



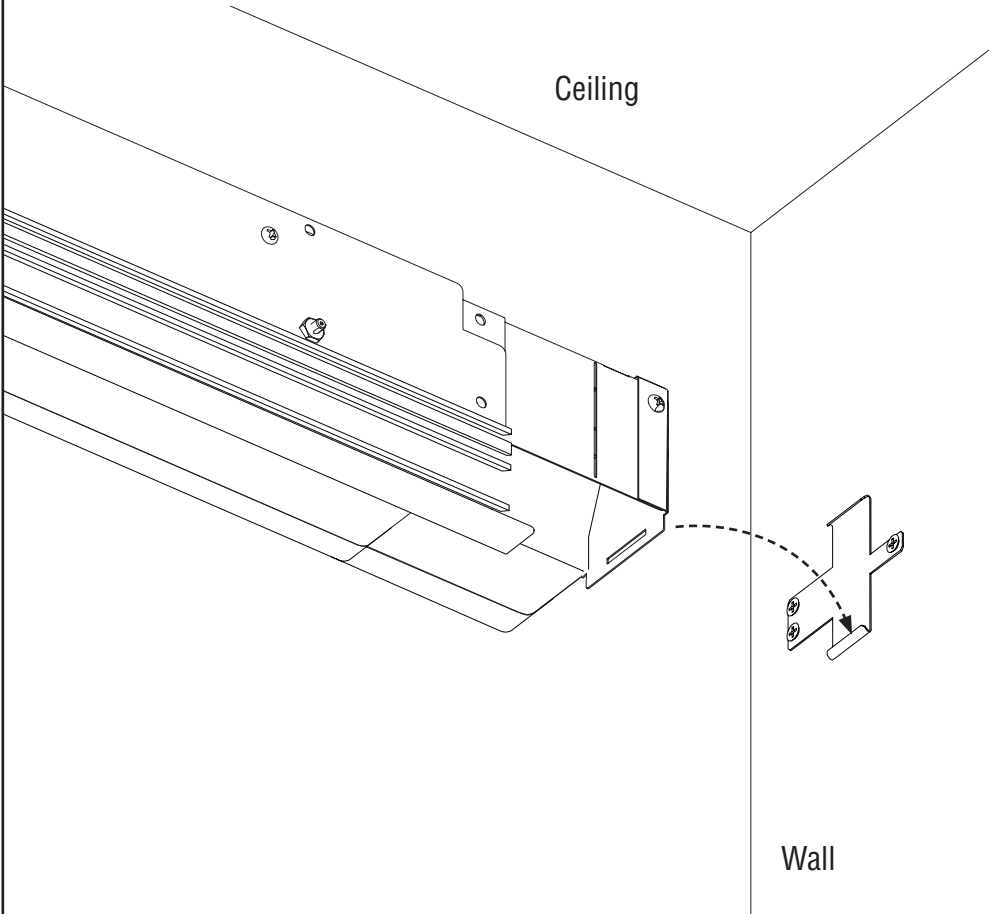
Extend telescope arm to wall, ensuring it is level. Mark where the telescope wall support bracket will be mounted.

2. Mount Support Bracket Bottom-Up View



Mount support bracket to wall using appropriate #10 screws.

3. Hook Telescope Bottom-Up View



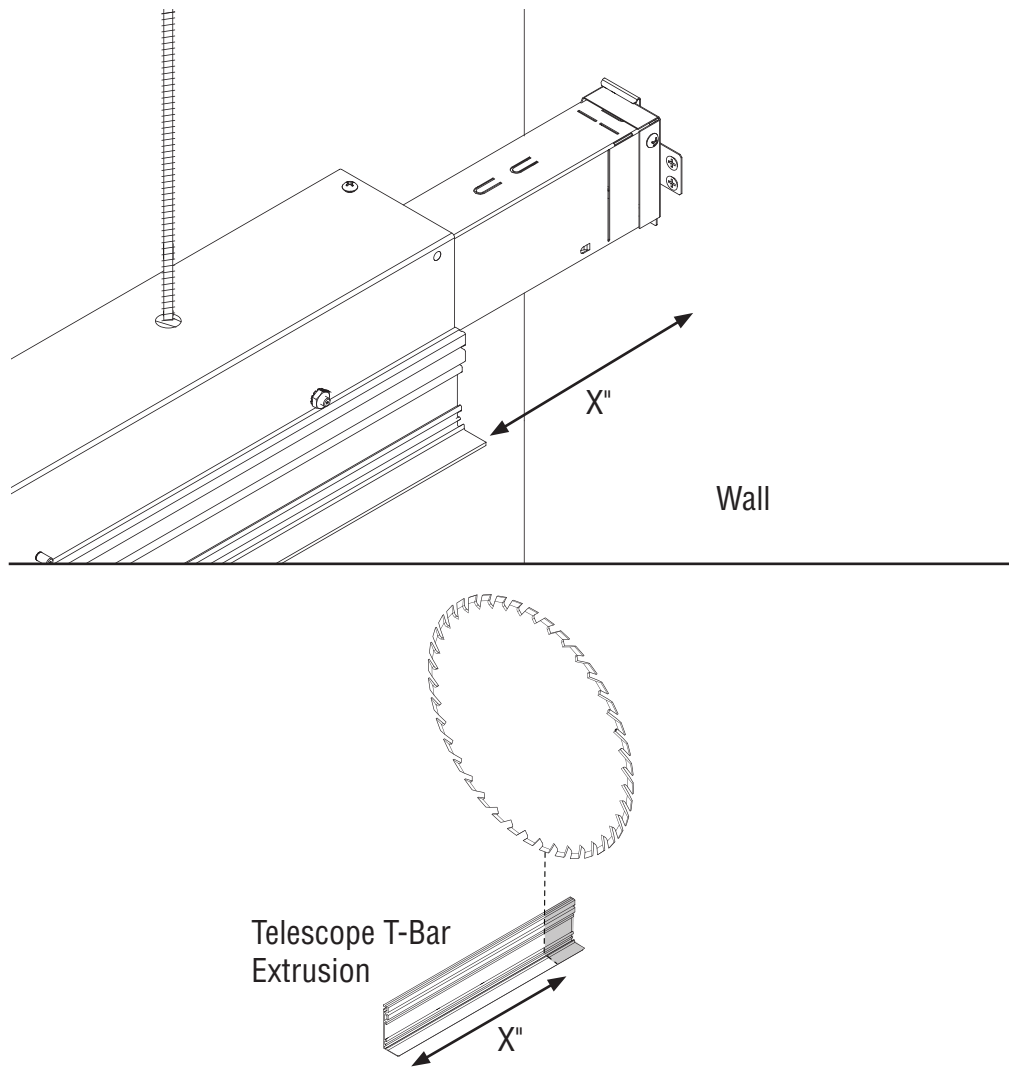
Hook the telescope arm onto the support bracket using the slot provided.



#10 Screws
(by others)

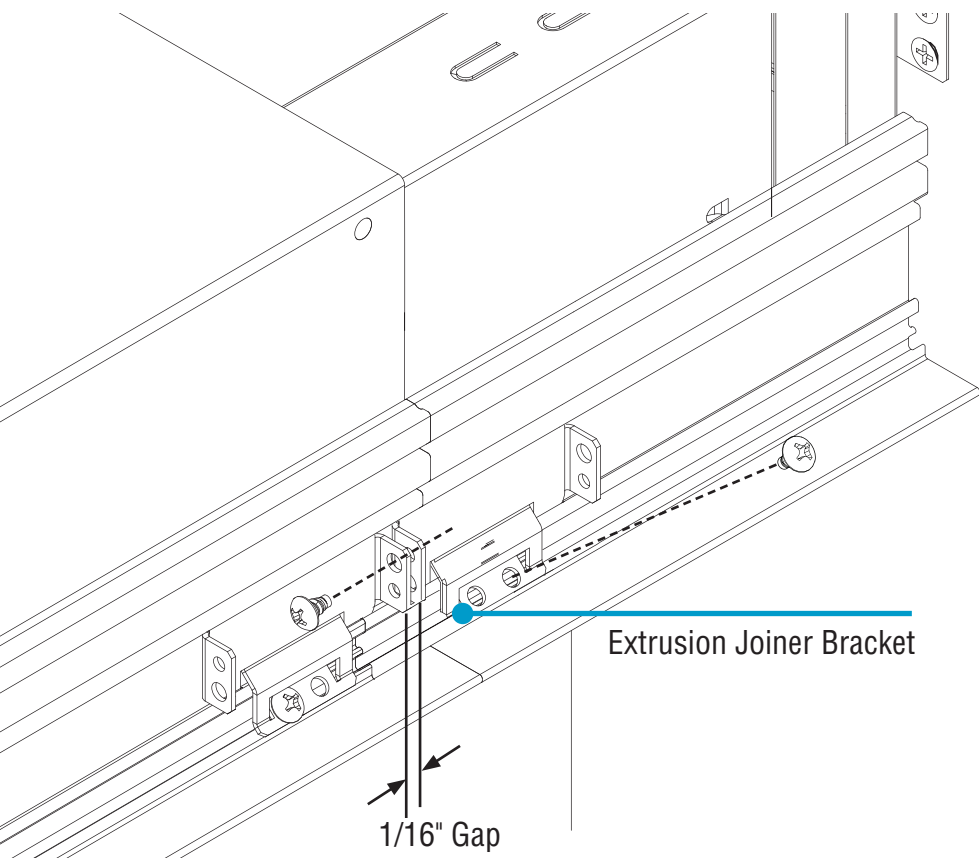
HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

4. Cut Telescope T-Bar Extrusion Top View



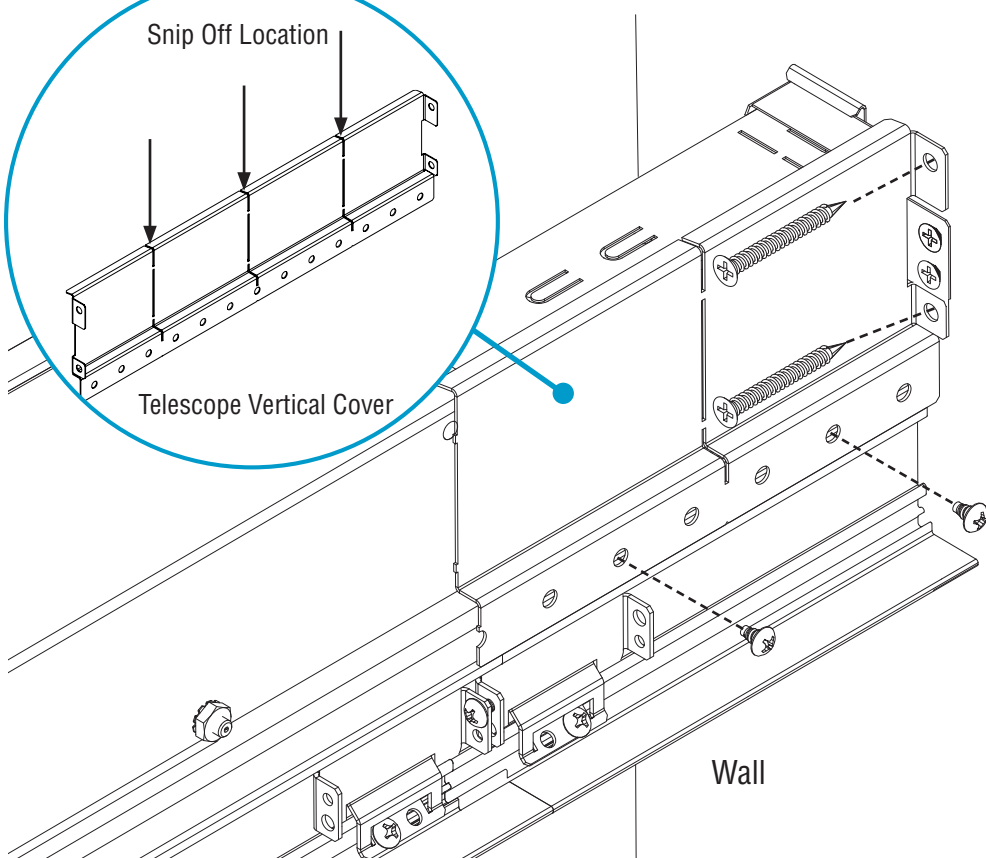
Measure distance from extrusion to wall. Cut telescope T-Bar extrusion to X".

5. Install Telescope T-Bar Extrusion Top View

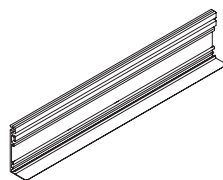


Insert extrusion joiner bracket into telescope T-Bar extrusion. Attach extrusion joiner bracket to telescope T-Bar extrusion using #8-18 x 1/4" screw (provided). Make sure to leave 1/16" gap between two extrusion joiner brackets. Mount telescope T-Bar extrusion to adjacent extrusion piece using extrusion joiner bracket and #8-18 x 1/4" screw (provided).

6. Install Telescope Vertical Cover Top View



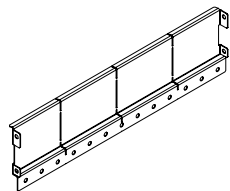
Cut the necessary sections off of the telescope vertical cover. Remove enough of telescope vertical cover so it doesn't overlap nearest stud/nut. Tin snips are recommended to snip then break off sections as necessary. Fasten telescope vertical cover to telescope T-Bar extrusion using #8-18 x 1/4" screws (provided) as necessary. Secure to wall using appropriate #10 screws (by others).



Telescope T-Bar Extrusion (provided)



#8-18 x 1/4" Screw (provided)



Telescope Vertical Cover (provided)

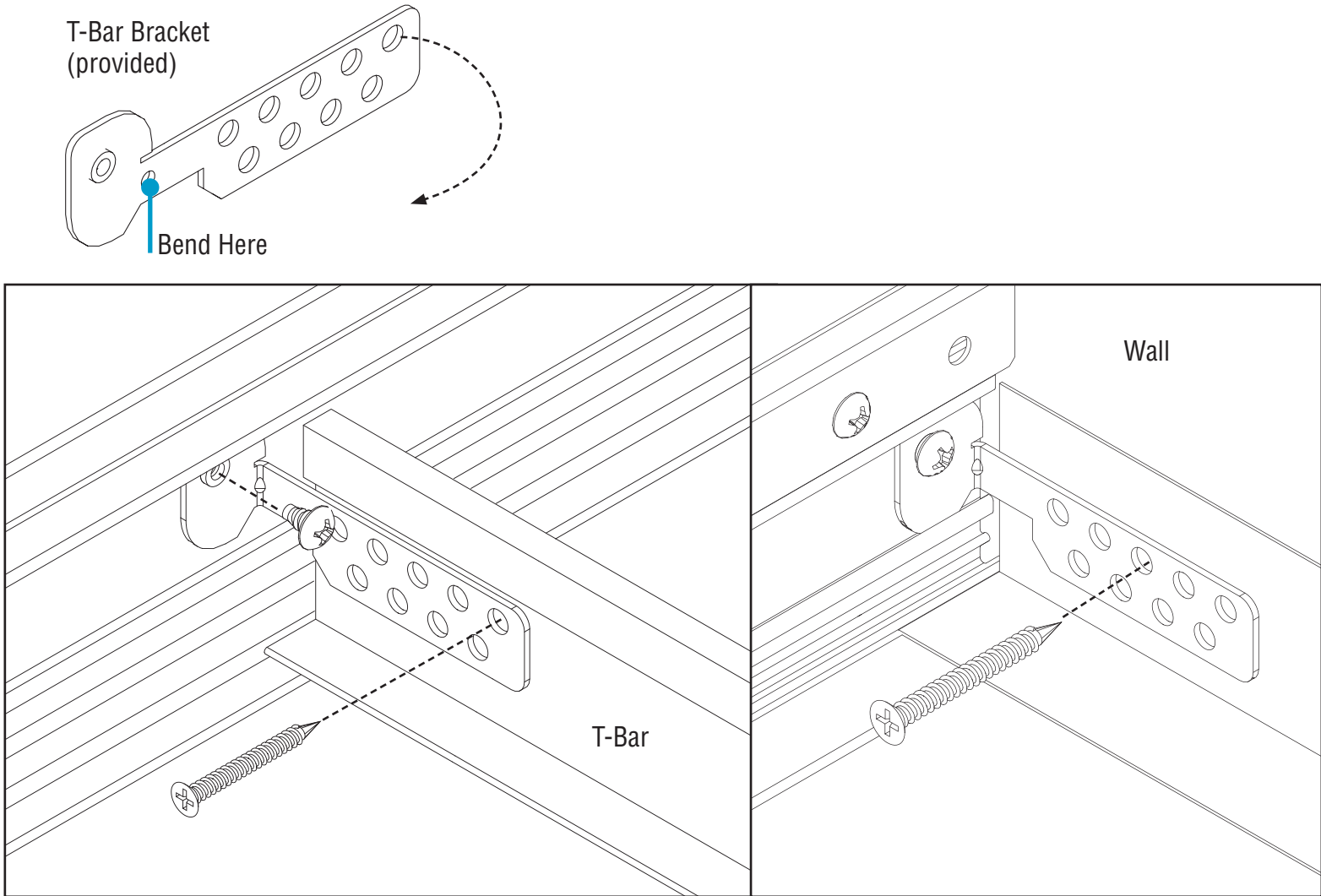


#10 Screws (by others)

HP-WS Perimeter Slot Threaded Rod T-Bar Installation Instructions

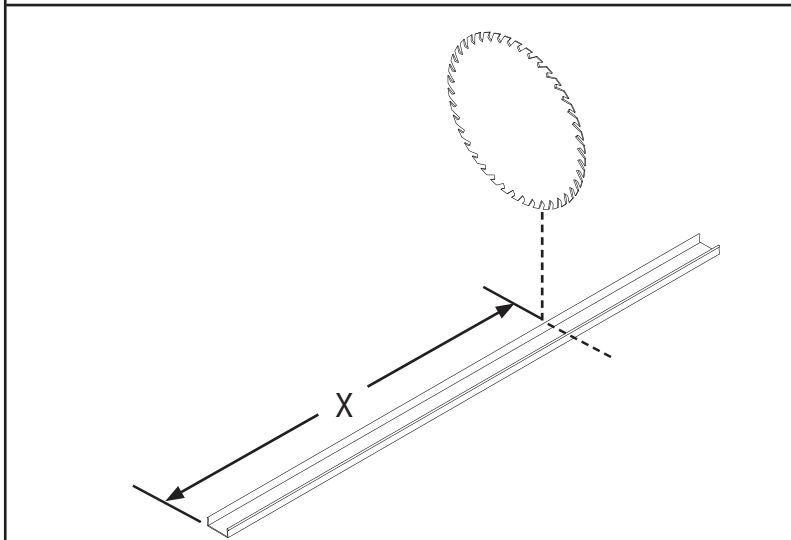
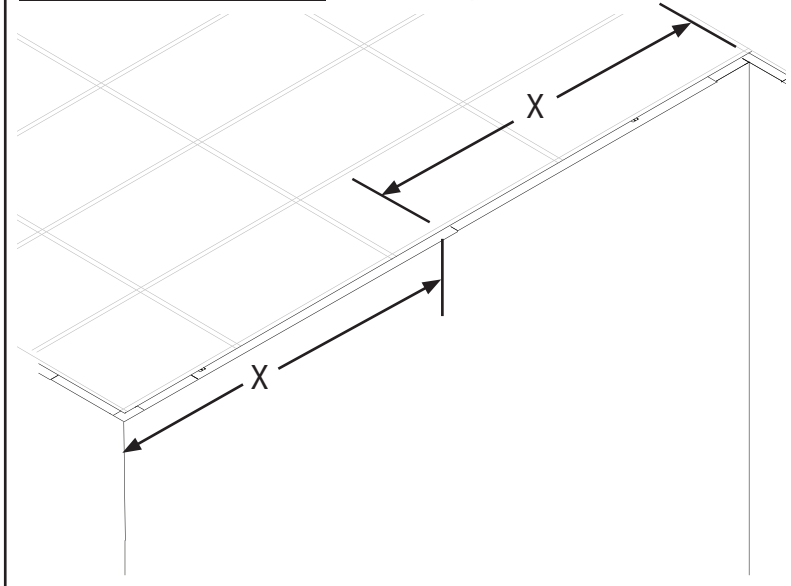
Step 7 - Luminaire Closure

1. Connect to T-Bar Top View



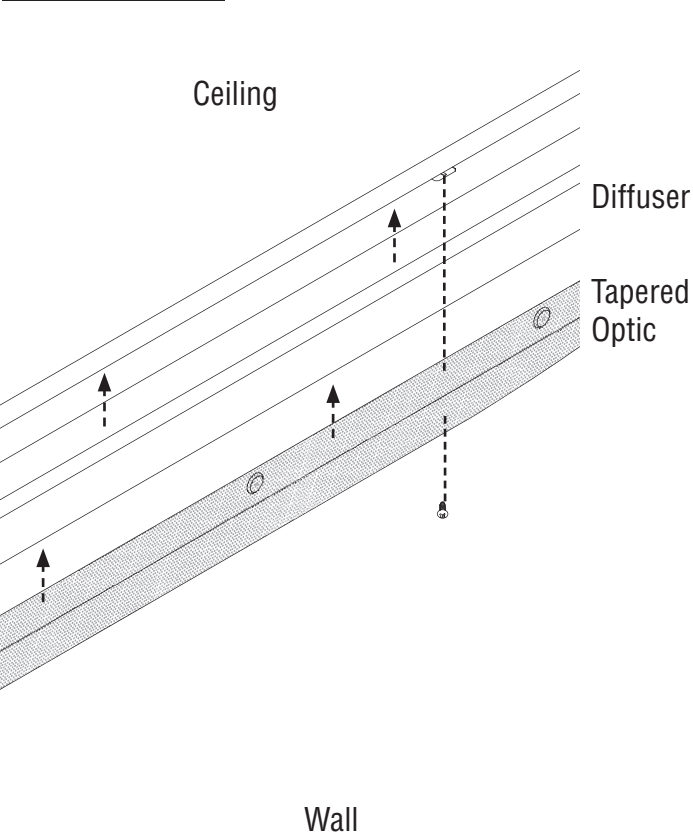
Fasten T-Bar (by others) to T-Bar extrusion using T-Bar brackets. Twist brackets into extrusion and pin them to the T-Bar extrusion using #8-18 x 1/4" screws (provided). Secure T-Bar (by others) to T-Bar brackets using self-drilling screws (by others). For edging at the wall, use appropriate #10 screws (by others) through brackets and edging into wall (this also supports the telescope T-Bar extrusion to the wall).

2. Measure Diffusers Bottom-Up View



Diffuser length "X" is always measured along the longest edge. Measure the overall length for square-edged lengths. Measure from the square edge to the tip of a mitered edge. Cut the diffuser to "X" minus 1/16". For example, if "X" is 8'6", cut the diffuser to 8' 5-15/16". This difference accounts for thermal expansion and helps to avoid light leaks. Diffusers should be cut at a room temperature between 70°F and 73°F. Contact the factory if cutting at a temperature outside that range.

3. Finish it up! Bottom-Up View



Replace diffusers and reinstall tapered optics using #4-24 screws. Turn power on to luminaire.

